

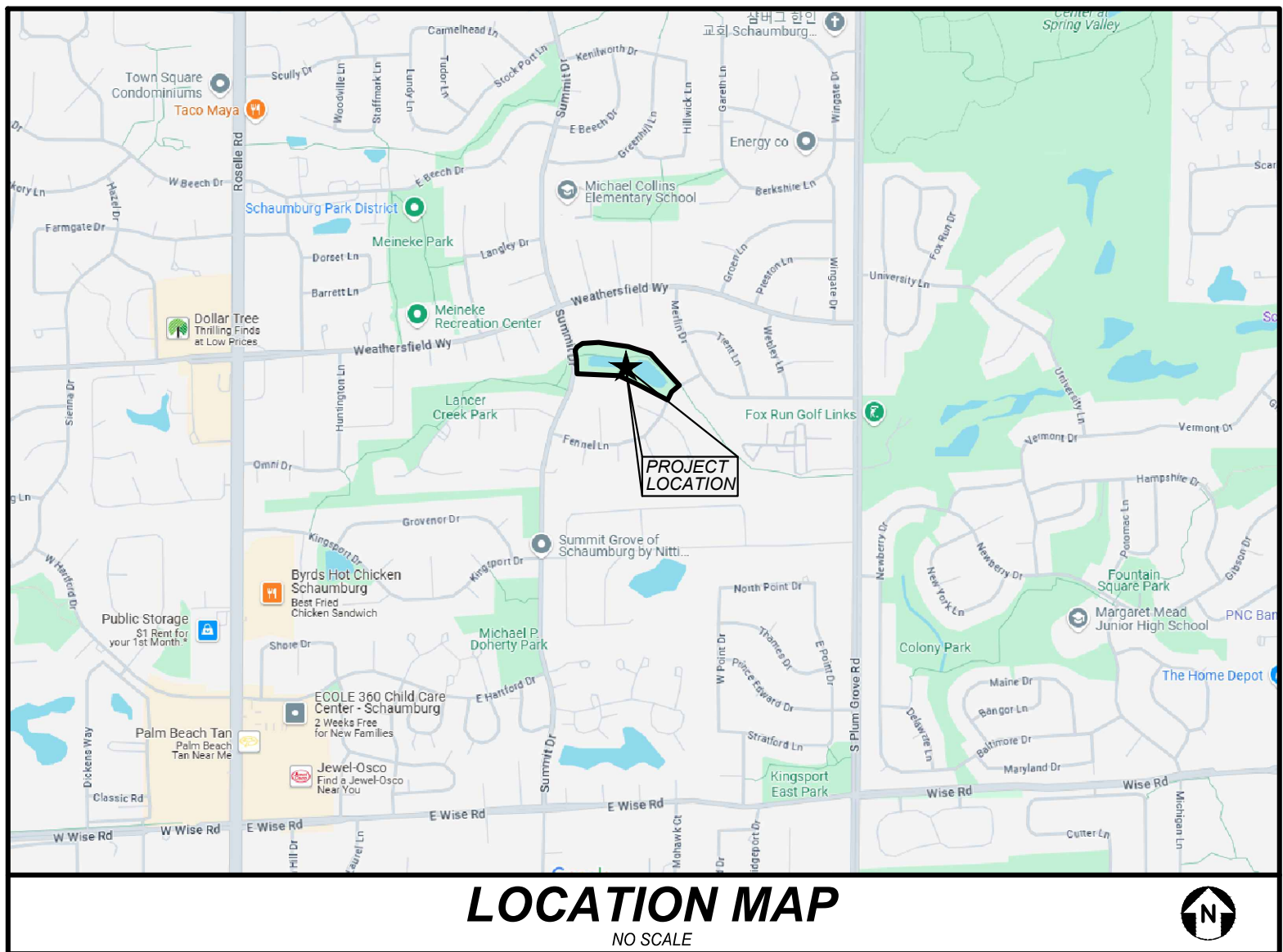
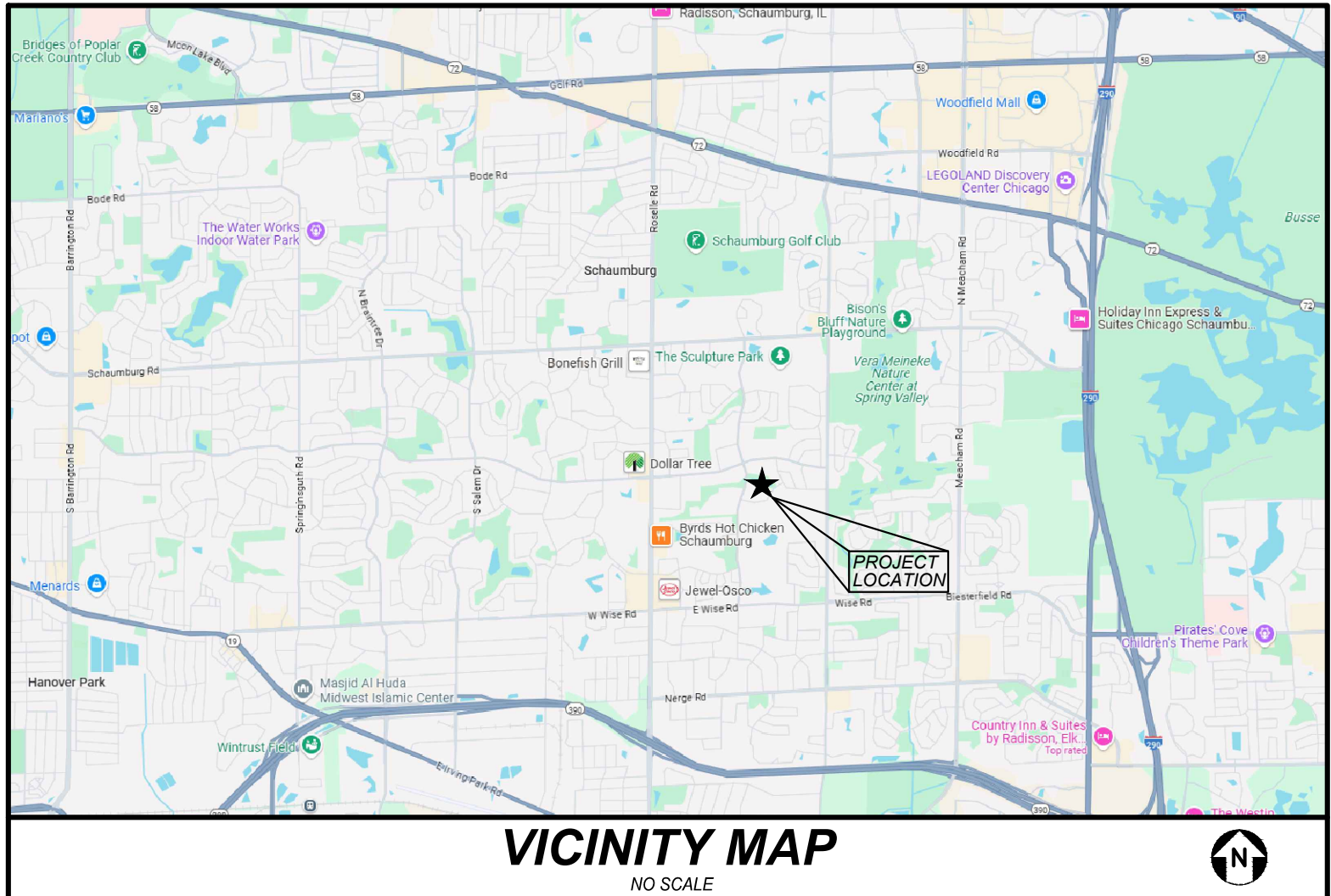
# FINAL ENGINEERING PLANS

## FOR

# LANCER CREEK STABILIZATION

## SCHAUMBURG, ILLINOIS

<b>PROJECT TEAM</b>
<p><b>OWNER/DEVELOPER</b></p> <p>Schaumburg Park District 235 E. Beech Drive Schaumburg, IL 60193 Phone Number Contact: Name Here</p>
<p><b>ENGINEER</b></p> <p>V3 Companies, Ltd. 7325 Janes Avenue Woodridge, Illinois 60517 630 724 9200 Project Manager: Christopher Hanchett, PE CFM Chanchett@v3co.com Project Engineer: Cade Kamaleson Ckamaleson@v3co.com</p>



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**BENCHMARK**

SOURCE: TRIMBLE VRS NETWORK WITH PROJECT ORIGIN AT:  
LATITUDE: 42-00-57.45398 N  
LONGITUDE: 88-04-05.52403 W  
ELLIPSOIDAL HEIGHT: 644.505 SFT  
GROUND SCALE FACTOR: 1.0000498228 GEOID 18US

**SITE:**

STATION DESIGNATION: SBM#1  
ESTABLISHED BY: V3 COMPANIES  
DATE: 07-26-23

ELEVATION: 750.04 (MEASURED)  
DATUM: NAVD88  
DESCRIPTION: SOUTHWEST BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF SUMMIT DRIVE AND PEBBLE COURT INTERSECTION.

STATION DESIGNATION: SBM#2  
ESTABLISHED BY: V3 COMPANIES  
DATE: 07-26-23

ELEVATION: 741.25 (MEASURED)  
DATUM: NAVD88  
DESCRIPTION: SOUTHWEST ARROW BOLT ON FIRE HYDRANT LOCATED EASTERLY OF FENNEL LANE, 1ST HYDRANT SOUTHWESTERLY OF LANCER CREEK.

STATION DESIGNATION: SBM#3  
ESTABLISHED BY: V3 COMPANIES  
DATE: 07-26-23

ELEVATION: 749.06 (MEASURED)  
DATUM: NAVD88  
DESCRIPTION: NORTHEAST BOLT ON FIRE HYDRANT LOCATED AT THE END OF PEBBLE COURT IN FRONT OF #501 RESIDENCE.

THE ELEVATIONS ABOVE WERE KNOWN TO BE ACCURATE AT THE TIME THEY WERE ESTABLISHED. V3 DOES NOT CERTIFY TO THE ACCURACY THEREAFTER, NOR ASSUMES RESPONSIBILITY FOR THE MIS-USE OR MIS-INTERPRETATION OF THE INFORMATION SHOWN HEREON.

IT IS ADVISED THAT ALL OF THE ABOVE ELEVATIONS BE CHECKED BETWEEN EACH OTHER AND VERIFY A MINIMUM OF 3 SURROUNDING UTILITY RIM ELEVATIONS AND ANY ADJACENT BUILDING FINISHED FLOOR OR TOP OF FOUNDATION ELEVATIONS SHOWN HEREON PRIOR TO USE OR COMMENCEMENT OF ANY CONSTRUCTION OR OTHER WORK.

PERSONS USING THIS INFORMATION ARE TO CONTACT V3 IMMEDIATELY WITH ANY DISCREPANCIES FOUND PRIOR TO THE START OF ANY WORK.

**Call Before You Dig**

**800.892.0123**

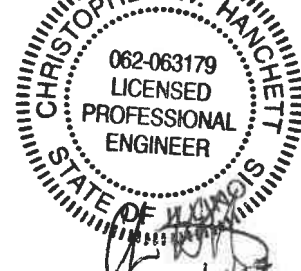
Call 48 hours before you dig

**PROFESSIONAL ENGINEER'S CERTIFICATION**

I, CHRISTOPHER W. HANCHETT, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THE CIVIL ENGINEERING PLANS WERE PREPARED ON BEHALF OF SCHAUMBURG PARK DISTRICT BY V3 COMPANIES, LTD. UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

DATED THIS 24TH DAY OF MARCH, A.D., 2026.

ILLINOIS LICENSED PROFESSIONAL ENGINEER  
 MY LICENSE EXPIRES ON NOVEMBER 30, 2027



REVISIONS		
NO.	DATE	DESCRIPTION
1	06/24/25	ISSUED FOR PERMIT
2	12/18/25	REVISED PER USACE COMMENTS
3	01/16/26	REVISED PER USACE COMMENTS
4	01/20/26	REVISED PER USACE COMMENTS
5	02/05/26	REVISED PER USACE COMMENTS
6	03/24/26	REVISED PER VILLAGE COMMENTS

**TITLE SHEET**

**LANCER CREEK STABILIZATION**

SCHAUMBURG

7325 Janes Avenue  
Woodridge, IL 60517  
630-724-9200 phone  
www.v3co.com

DRAWING NO.  
**C0.0**

# GENERAL NOTES

1. EXISTING SITE TOPOGRAPHY, UTILITIES, RIGHT-OF-WAY AND HORIZONTAL CONTROL SHOWN ON THE DRAWINGS WERE OBTAINED FROM A SURVEY PREPARED BY:

V3 COMPANIES, LTD.  
7325 JANES AVENUE  
WOODRIDGE, IL 60517

COPIES OF THE SURVEY ARE AVAILABLE FROM THE SURVEYOR. SITE CONDITIONS MAY HAVE CHANGED SINCE THE SURVEY WAS PREPARED. CONTRACTORS TO VISIT SITE TO FAMILIARIZE THEMSELVES WITH THE CURRENT CONDITIONS.

2. ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN.

3. CONTRACTOR IS TO VERIFY ALL EXISTING STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL AND STARTING WORK.

4. ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT ARE HEREIN INCORPORATED BY REFERENCE.

5. THE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL OBTAIN ALL NECESSARY PUBLIC AGENCY PERMITS PRIOR TO STARTING WORK. THE CONTRACTOR, BY USING THESE PLANS FOR THEIR WORK, AGREE TO HOLD HARMLESS V3 COMPANIES LTD., THE MUNICIPALITY, THEIR EMPLOYEES AND AGENTS AND THE OWNER WHILE ACTING WITHIN THE SCOPE OF THEIR DUTIES FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES, AND THE COST OF DEFENSE ARISING OUT OF CONTRACTOR(S) PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, HIS AGENTS, THE ENGINEER, HIS EMPLOYEES AND AGENTS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE OWNER OF THE ROADWAY.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

8. EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREON SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS WHICH ARE HEREBY MADE A PART HEREOF:

- a. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY IDOT, LATEST EDITION.
- b. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," LATEST EDITION.
- c. ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE IEPA, LATEST EDITION.
- d. THE LATEST EDITIONS OF THE MUNICIPAL CODE AND STANDARDS OF THE VILLAGE OF SCHAUMBURG.
- e. THE NATIONAL ELECTRIC CODE.
- f. THE ILLINOIS ACCESSIBILITY CODE.

9. CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) REQUIREMENTS AS PUBLISHED BY THE IEPA. TESTING OF SOILS BEING EXPORTED FROM THE SITE AND APPROPRIATE DISPOSAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

IN THE EVENT OF CONFLICTING SPECIFICATIONS WITH REGARD TO SITE WORK ISSUES DESIGNED BY THE ENGINEER, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

9. THE CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION AT LEAST 48 HOURS PRIOR TO COMMENCING ANY WORK AND FOR ANY NEW CONSTRUCTION REQUIRING INSPECTION.

10. ALL TREES TO BE SAVED SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION AND SHALL BE PROTECTED PER IDOT STANDARDS. THE RIGHT-OF-WAY LINE AND LIMITS OF THE CONTRACTOR'S OPERATIONS SHALL BE CLEARLY DEFINED THROUGHOUT THE CONSTRUCTION PERIOD. ALL TREES IDENTIFIED TO REMAIN SHALL BE PROTECTED FROM DAMAGE INCLUDING TRUNKS, BRANCHES AND ROOTS. NO EXCAVATING, FILLING OR GRADING IS TO BE DONE INSIDE THE DRIP LINE OF TREES UNLESS OTHERWISE INDICATED.

11. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT ACCUMULATION OF MUD OR SOIL ON PUBLIC THOROUGHFARES. AT THE END OF EACH DAY AND AS OFTEN AS OTHERWISE NECESSARY THE CONTRACTOR SHALL CLEAN UP ALL MUD OR SOIL WHICH HAS BEEN TRACKED ONTO PUBLIC STREETS AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.

12. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS WHERE HIS/HER OPERATIONS ABUT PUBLIC THOROUGHFARES AND ADJACENT PROPERTY IN ACCORDANCE WITH THE VILLAGE OF SCHAUMBURG MUNICIPAL CODE AND IDOT REQUIREMENTS.

13. NO HOLES ARE TO BE LEFT OPEN IN THE PAVEMENT OR PARKWAY OVER A HOLIDAY, WEEKEND OR AFTER 3:00 P.M. ON THE DAY PRECEDING A HOLIDAY OR A WEEKEND.

14. ALL EXISTING PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAWCUT ALONG LIMITS OF PROPOSED REMOVAL BEFORE COMMENCEMENT OF PAVEMENT REMOVAL.

15. REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR AS PART OF THE BASE CONTRACT.

16. NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.

17. FOR REGULATED UTILITY LOCATIONS, THE CONTRACTOR SHALL CONTACT THE JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS, "J.U.L.I.E." AT 1-800-892-0123. LOCAL GOVERNMENT AGENCIES SHOULD BE CONTACTED BY THE CONTRACTOR FOR LOCATION OF ALL NONREGULATED UTILITY LOCATIONS. CALL FOR LOCATES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION.

18. BEFORE EXCAVATING OVER OR ADJACENT TO ANY EXISTING UTILITIES, CONTRACTOR SHALL NOTIFY THE OWNER OF SUCH UTILITIES TO ENSURE THAT PROTECTIVE WORK WILL BE COORDINATED AND PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER OF THE UTILITY INVOLVED. IF ANY EXISTING SERVICE LINES, UTILITIES AND UTILITY STRUCTURES WHICH ARE TO REMAIN IN SERVICE ARE UNCOVERED OR ENCOUNTERED DURING THIS OPERATION, THEY SHALL BE SAFEGUARDED, PROTECTED FROM DAMAGE AND SUPPORTED IF NECESSARY.

19. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF "APPROVED" ENGINEERING PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE PRIOR TO THE START OF CONSTRUCTION.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL AS DETAILS ON THE FINAL ENGINEERING PLANS.

21. ALL CURB RADII REFER TO BACK OF CURB.

22. ANY AREAS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED IN CONFORMANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND SHALL BE INCIDENTAL TO THE CONTRACT.

23. STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE AND IF DAMAGED, SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH THE VILLAGE OF SCHAUMBURG OR IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.

24. PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL AS INDICATED ON DRAWINGS.

25. CAD FILES ARE AVAILABLE FOR CONSTRUCTION LAYOUT UPON REQUEST.

26. BACKFILL SHALL BE PLACED NEXT TO THE CURB AS SOON AS PERMISSIBLE AFTER CONSTRUCTION TO PREVENT SCOURING AND UNDERCUTTING BY STORM WATER RUNOFF.

27. BUTT JOINTS SHALL BE PROVIDED WHEREVER NEW PAVEMENT ABUTS EXISTING PAVEMENT. ALL BUTT JOINTS SHALL BE CONSTRUCTED BY MILLING AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE BITUMINOUS SURFACE COURSE.

28. WHEN AN EXISTING DRAINAGE ROUTE, EITHER A STORM SEWER OR WATERWAY, IS INTERRUPTED DUE TO CONSTRUCTION, THE DRAINAGE ROUTE SHALL BE REESTABLISHED TO ORIGINAL CONDITIONS BY THE END OF THE SAME WORK DAY. POSITIVE DRAINAGE MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

29. PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.

30. FINAL ADJUSTMENT OF FIRE HYDRANTS, VALVE VAULTS AND MANHOLES TO FINISHED GRADE ARE INCIDENTAL TO THEIR COST.

31. ANY EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT ARE TO BE ADJUSTED OR RECONSTRUCTED BY THE CONTRACTOR TO THE UTILITY OWNER'S SATISFACTION. ADJUSTMENTS OR RECONSTRUCTIONS NOT CALLED FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

32. ALL UTILITY CONNECTIONS TO EXISTING LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND TO THE SATISFACTION OF THE UTILITY OWNER.

33. PROVIDE TRENCH BACKFILL IN ACCORDANCE WITH THE DETAILS OF THE PLANS FOR ALL UTILITY LINES (OR AS OTHERWISE NOTED ON PLANS). BACKFILL SHALL BE PLACED AND COMPACTED PER THE VILLAGE OF SCHAUMBURG AND IDOT SPECIFICATIONS. COST OF BACKFILL IS TO BE CONSIDERED INCIDENTAL TO THE UTILITY WORK.

34. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

35. PRIOR TO DEMOBILIZATION, ALL WORK SHALL BE CLEANED AND INSPECTED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

36. THE GENERAL CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO PROVIDE CABLE TV, PHONE, ELECTRIC, GAS AND IRRIGATION SERVICES. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING SITE LAYOUTS FOR THESE UTILITIES AND SHALL COORDINATE AND PROVIDE CONDUIT CROSSINGS AS REQUIRED. THIS COORDINATION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. ANY CONFLICTS IN UTILITIES SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

37. BAND-SEAL CONNECTORS OR EQUIVALENT SHALL BE USED TO JOIN PIPES OF DISSIMILAR MATERIAL.

38. CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ALL CONSTRUCTION IN CONFORMANCE WITH ALL MUNICIPAL AND CLIENT REQUIREMENTS FOR USE IN PREPARING RECORD DRAWINGS.

39. THE SUBCONTRACTOR SHALL INSTALL A 2"x4"x6" POST ADJACENT TO THE TERMINUS OF UTILITY MAINS AND SERVICE LINES. POSTS SHALL BE MARKED IN ACCORDANCE WITH THE VILLAGE STANDARDS.

40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ANY EXCAVATION. ANY DEWATERING REQUIRED SHALL BE INCIDENTAL TO THE CONTRACT.

41. COPIES OF SOILS INVESTIGATION REPORTS MAY BE OBTAINED FROM THE OWNER. ANY BRACING, SHEETING OR SPECIAL CONSTRUCTION METHODS REQUIRED IN ORDER TO INSTALL THE PROPOSED IMPROVEMENTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT. ANY ADDITIONAL SOILS DATA NEEDED TO CONFIRM THE CONTRACTOR'S OPINIONS OF THE SUBSOIL CONDITIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL OBTAIN THE OWNER'S WRITTEN AUTHORIZATION TO ACCESS THE SITE TO CONDUCT A SUPPLEMENTAL SOILS INVESTIGATION.

42. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE WAY AS DETERMINED BY THE ENGINEER. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATIONAL CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE FOR ON-SITE DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE SUBCONTRACTOR AND SUBMITTED TO THE ENGINEER UPON COMPLETION OF THE PROJECT. ALL FIELD TILE REPAIRS SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

43. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS/HER WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

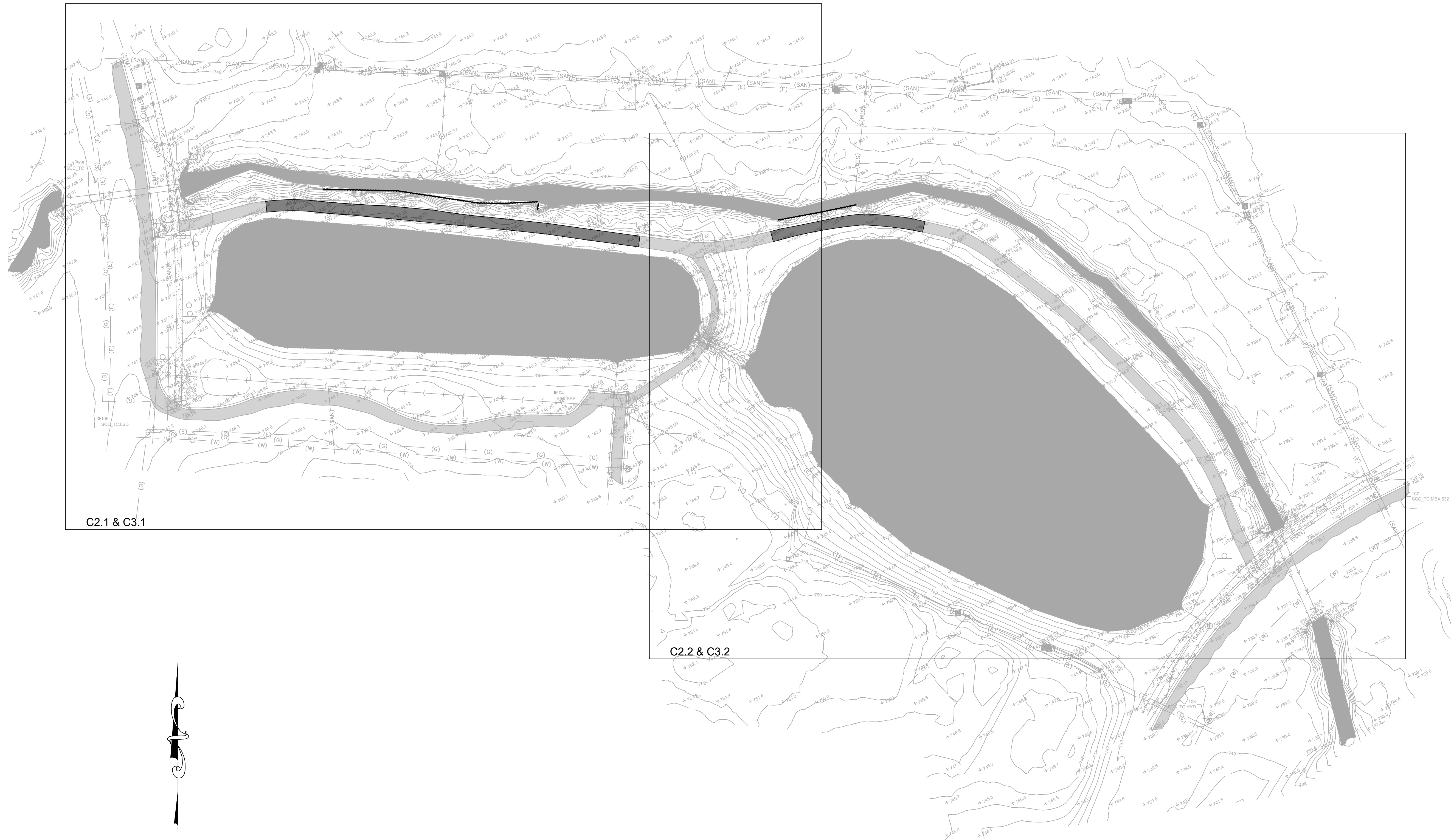
# LEGEND

EXISTING	PROPOSED	DESCRIPTION
		RIGHT-OF-WAY LINE
		PROPERTY LINE (EXTERIOR)
		LOT LINE (INTERIOR)
		EASEMENT LINE
		FENCE LINE
		CENTERLINE
		PROPERTY CORNER
		CONTOUR
		CURB & GUTTER
		DEPRESSED CURB & GUTTER
		REVERSE PITCHED CURB
		SPOT ELEVATION
		TOP OF CURB ELEVATION
		EDGE OF PAVEMENT ELEVATION
		UTILITY STUB
		SANITARY SEWER
		SANITARY FORCE MAIN
		STORM SEWER
		WATER MAIN
		GAS MAIN
		UNDERGROUND TELEPHONE & ELECTRIC DUCT BANK
		BURIED CABLE-ELECTRIC
		BURIED CABLE-TELEPHONE
		ATLAS LOCATED UTILITY
		UTILITY STRUCTURE WITH CLOSED LID
		CURB INLET
		DRAINAGE STRUCTURE WITH OPEN LID
		FIRE HYDRANT
		VALVE IN VALVE BOX
		GATE VALVE IN VALVE VAULT
		POST INDICATOR VALVE
		THRUST BLOCK
		TREE
		TREE LINE
		CONCRETE HEADWALL
		SUBMERGED HEADWALL
		FLARED END SECTION (F.E.S.)
		GUY WIRES
		FLOOD LIGHT
		UTILITY POLE
		LIGHT STANDARD
		TRAFFIC SIGNAL POLE
		HAND HOLE
		SOIL BORING
		IRRIGATION HEADS
		SIGN
		TELEPHONE MANHOLE
		MONITORING WELL
		TELEPHONE PEDESTAL
		TRANSFORMER PAD
		UTILITY TO BE ABANDONED
		FEATURE TO BE REMOVED
		STORMWATER FLOW DIRECTION
		STORMWATER OVERFLOW ROUTE
		DITCH CHECK
		INLET FILTER BASKET
		RIP RAP
		BOLLARD
		SILT FENCE
		WATER MAIN PROTECTION
		UTILITY CROSSING LABEL
		GUARDRAIL
		RAILROAD TRACKS
		RETAINING WALL
		REVISION DELINEATION
		CONSTRUCTION LIMIT LINE
		TREE PROTECTION FENCE

# ABBREVIATIONS

A	ARC LENGTH
B-B	BACK TO BACK OF CURB
B/C	BACK OF CURB
BLDG	BUILDING
BM	BENCHMARK
B/P	BOTTOM OF PIPE
BV/VV	BUTTERFLY VALVE IN VALVE VAULT
C & G	CURB AND GUTTER
CB	CATCH BASIN
CL	CENTERLINE
CL	CLOSED LID
CO	CLEAN OUT
DIP	DUCTILE IRON PIPE
DIA	DIAMETER
DIWM	DUCTILE IRON WATER MAIN
DWG	DRAWING
E	EAST OR ELECTRIC OR EDGE
EJ	EXPANSION JOINT
ELEV	ELEVATION
E/P	EDGE OF PAVEMENT
EX.	EXISTING
F & CL	FRAME & CLOSED LID
F & G	FRAME & GRATE
F & OL	FRAME & OPEN LID
FES	FLARED END SECTION
F-F	FACE TO FACE OF CURB
FF	FINISHED FLOOR
F/G	FINISHED GRADE
FH	FIRE HYDRANT
F/L	FLOW LINE
G	GAS LINE
GV/VB	GATE VALVE IN VALVE BOX
GV/VV	GATE VALVE IN VALVE VAULT
HDCP	HANDICAP
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HDW	HEADWALL
HOR	HORIZONTAL
HP	HIGH POINT
HWL	HIGH WATER LEVEL
IE	INVERT ELEVATION
IN	INLET
LF	LINEAL FEET
LP	LOW POINT OR LIGHT POLE
L	LEFT
ME	MATCH EXISTING
MH	MANHOLE
MW	MONITORING WELL
N	NORTH
NIC	NOT IN CONTRACT / NOT INCLUDED
NWL	NORMAL WATER LEVEL
OC	ON CENTER
OL	OPEN LID
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVC	POINT OF VERTICAL CURVATURE OR POLYVINYL CHLORIDE PIPE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS OR RIGHT
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
S	SLOPE OR SOUTH
SAN	SANITARY
SF	SILTATION FENCE
SFM	SANITARY FORCE MAIN
SHT	SHEET
SHW	SUBMERGED HEADWALL
SMH	SANITARY MANHOLE
STA	STATION
ST	STORM STRUCTURE OR STORM SEWER
STMH	STORM MANHOLE
T	TANGENT LENGTH OR TELEPHONE
T/C	TOP OF CURB
T/P	TOP OF PIPE
T/W	TOP OF WALL
TY	TYPE
TYP	TYPICAL
UP	UTILITY POLE
VC	VERTICAL CURVE
VERT	VERTICAL
VCP	VITRIFIED CLAY PIPE
W	WEST
WM	WATER MAIN

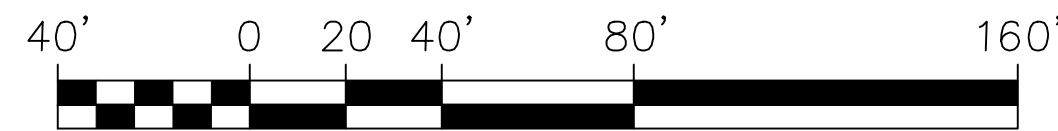
PROJECT NO.: 240576 PROJECT MANAGER: CWH DESIGNED BY: CDSK DRAWN BY: CDSK	ORIGINAL ISSUE DATE: 1/29/25	REVISIONS NO.   DATE   DESCRIPTION	GENERAL LEGEND & ABBREVIATIONS LANCER CREEK STABILIZATION SCHAUMBURG
7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone www.v3co.com			DRAWING NO. <b>C1.0</b>



C2.1 & C3.1

C2.2 & C3.2

GRAPHIC SCALE



1 = 40'

REVISIONS		NO.	DATE	DESCRIPTION
1	06/24/25	ISSUED FOR PERMIT		
2	12/18/25	REVISED PER USACE COMMENTS		

PROJECT NO.:	240576
PROJECT MANAGER:	CWH
DESIGNED BY:	CDSK
DRAWN BY:	CDSK
ORIGINAL ISSUE DATE:	1/29/25

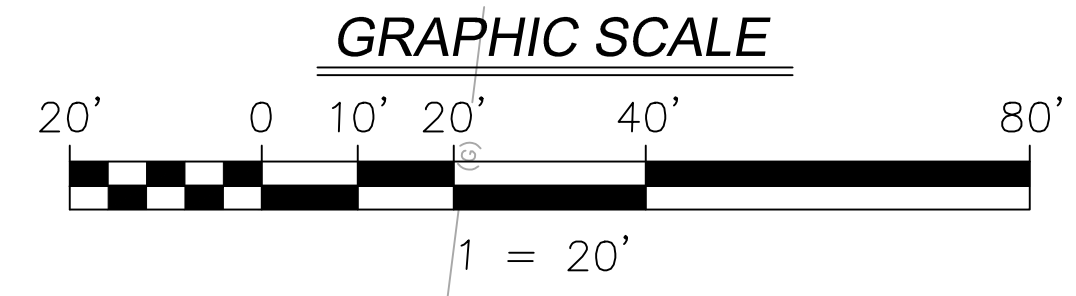
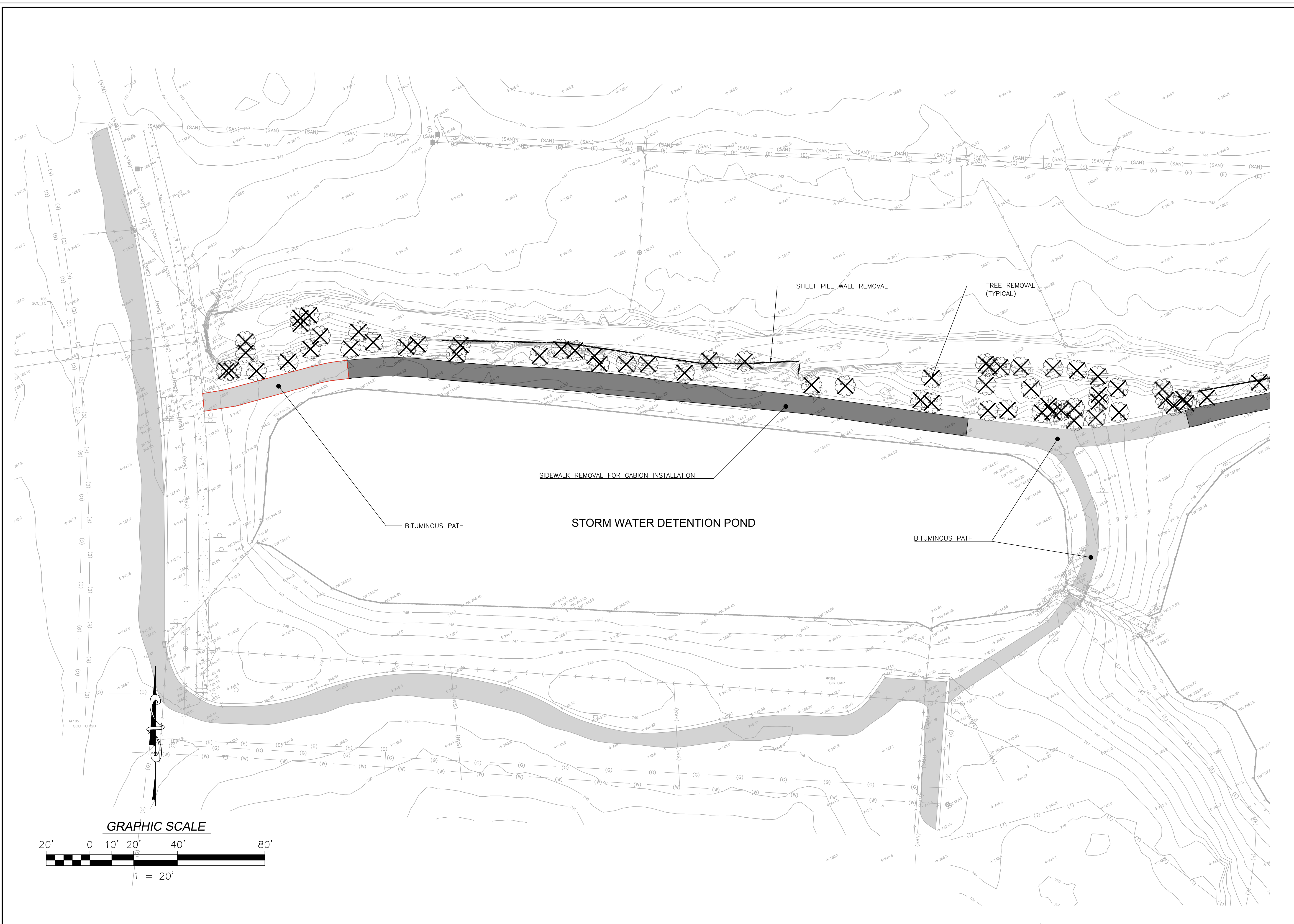
**OVERALL PLAN**

**LANCER CREEK STABILIZATION**

SCHAUMBURG

7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
www.v3co.com

DRAWING NO.  
**C1.1**

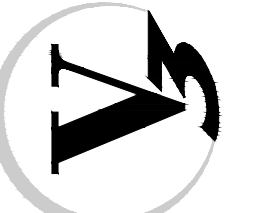


REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	REVISED PER USACE COMMENTS
3	REVISED PER USACE COMMENTS
4	REVISED PER USACE COMMENTS
5	REVISED PER USACE COMMENTS
6	REVISED PER USACE COMMENTS

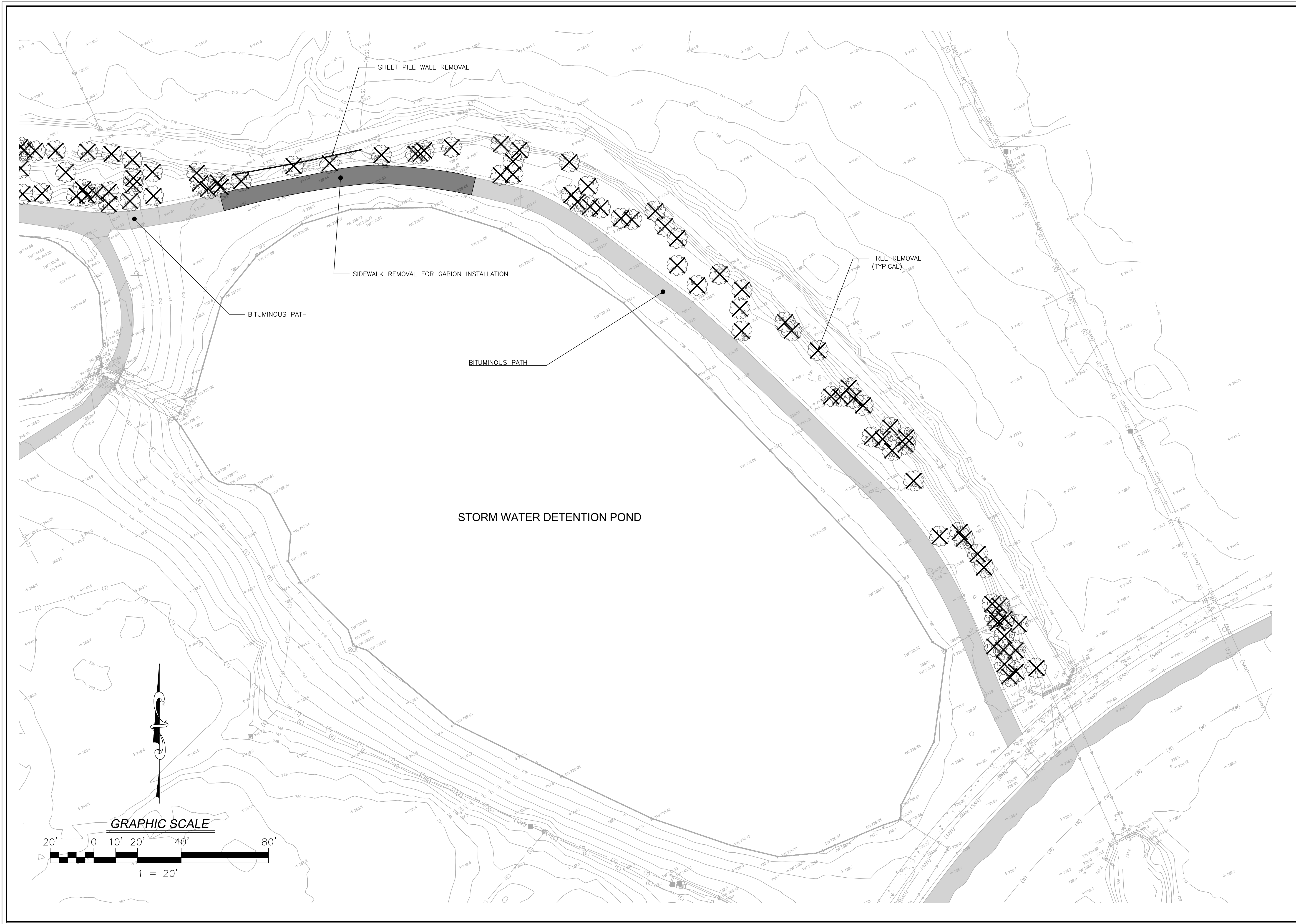
PROJECT NO.:	240576
PROJECT MANAGER:	CWH
DESIGNED BY:	CDK
DRAWN BY:	CDK

**EXISTING CONDITIONS (WEST)**  
**LANCER CREEK STABILIZATION**  
 SCHAUMBURG

7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 www.v3co.com



DRAWING NO.  
**C2.1**



REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	REVISED PER USACE COMMENTS
3	REVISED PER USACE COMMENTS
4	REVISED PER USACE COMMENTS
5	REVISED PER USACE COMMENTS
6	REVISED PER USACE COMMENTS

PROJECT NO.:	240576
PROJECT MANAGER:	CWH
DESIGNED BY:	CDK
DRAWN BY:	CDK
DATE:	1/29/25

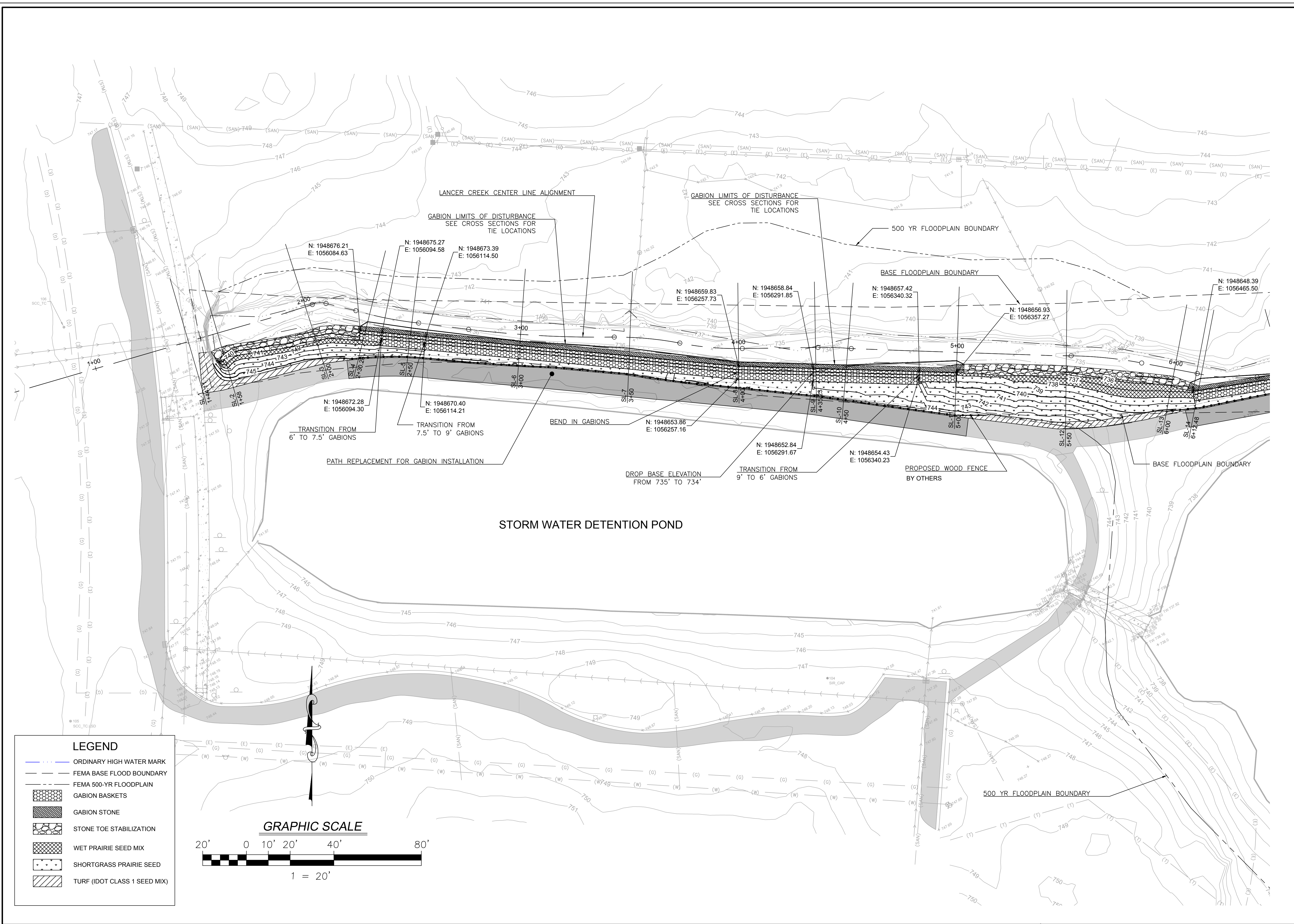
**EXISTING CONDITIONS (EAST)**

**LANCER CREEK STABILIZATION**

SCHAUMBURG

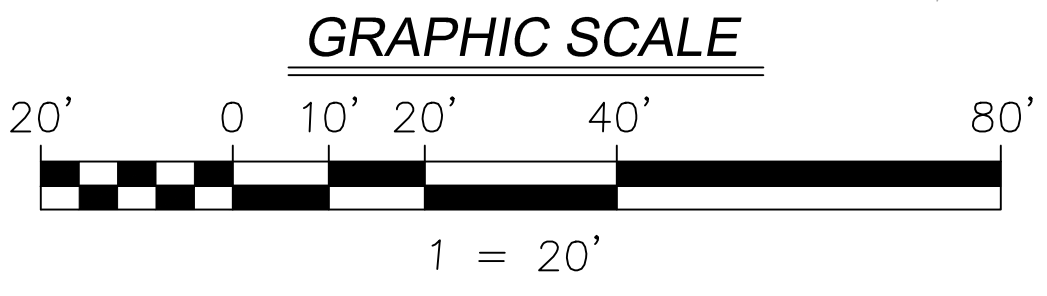
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
www.v3co.com

DRAWING NO.  
**C2.2**



**LEGEND**

- ORDINARY HIGH WATER MARK
- FEMA BASE FLOOD BOUNDARY
- FEMA 500-YR FLOODPLAIN
- GABION BASKETS
- GABION STONE
- STONE TOE STABILIZATION
- WET PRAIRIE SEED MIX
- SHORTGRASS PRAIRIE SEED
- TURF (IDOT CLASS 1 SEED MIX)



**REVISIONS**

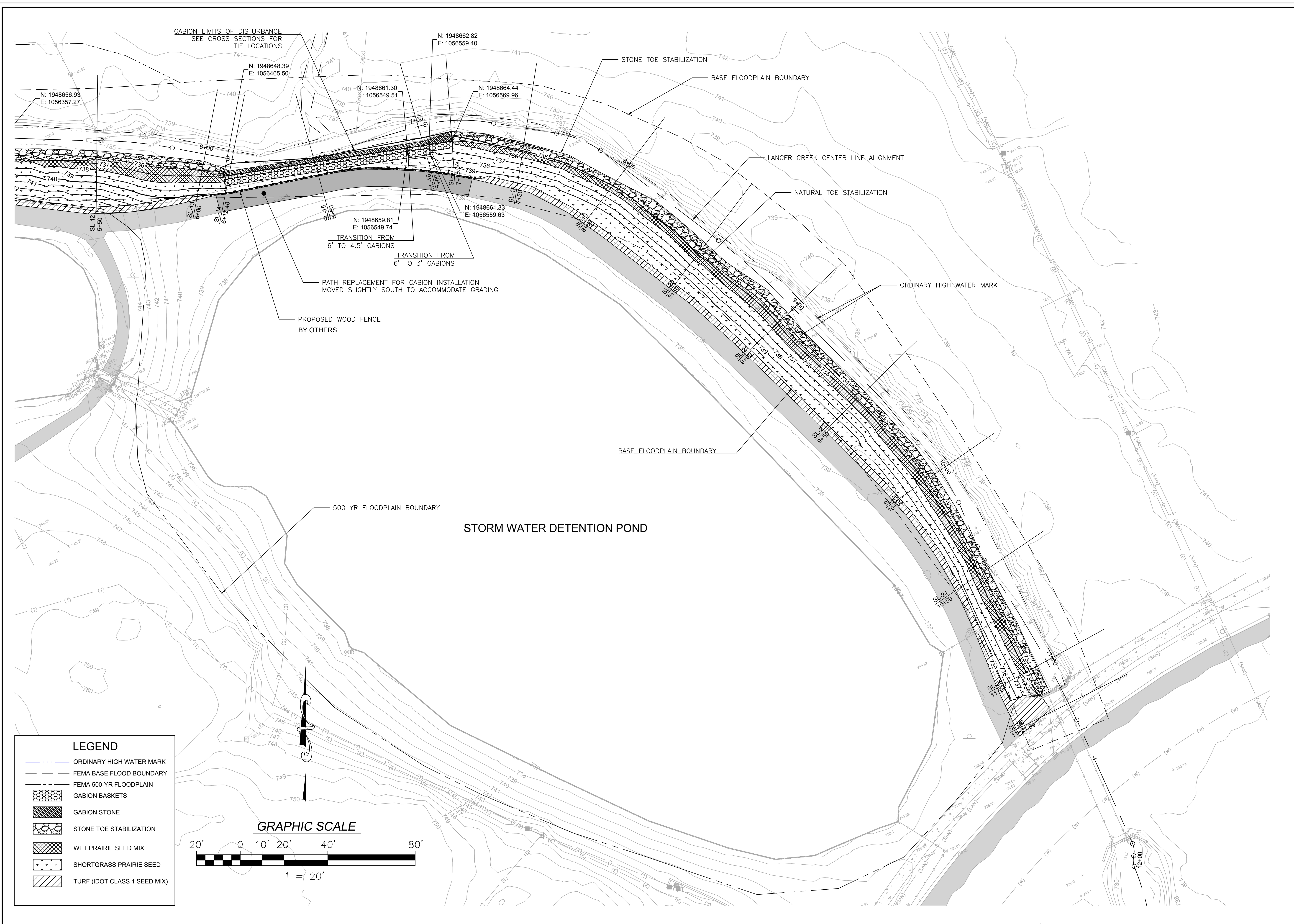
NO.	DATE	DESCRIPTION
1	06/24/25	ISSUED FOR PERMIT
2	12/18/25	REVISED PER USACE COMMENTS
3	01/16/26	REVISED PER USACE COMMENTS
4	01/20/26	REVISED PER USACE COMMENTS
5	02/05/26	REVISED PER USACE COMMENTS
6	03/24/26	REVISED PER VILLAGE COMMENTS

ORIGINAL ISSUE DATE: 1/29/25

**PROPOSED GRADING AND STABILIZATION PLAN**  
**LANCER CREEK STABILIZATION**  
 SCHAUMBURG

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DRAWING NO.  
**C3.1**



GABION LIMITS OF DISTURBANCE  
SEE CROSS SECTIONS FOR  
TIE LOCATIONS

STONE TOE STABILIZATION

BASE FLOODPLAIN BOUNDARY

LANCER CREEK CENTER LINE ALIGNMENT

NATURAL TOE STABILIZATION

ORDINARY HIGH WATER MARK

BASE FLOODPLAIN BOUNDARY

PROPOSED WOOD FENCE  
BY OTHERS

TRANSITION FROM  
6' TO 4.5' GABIONS

TRANSITION FROM  
6' TO 3' GABIONS

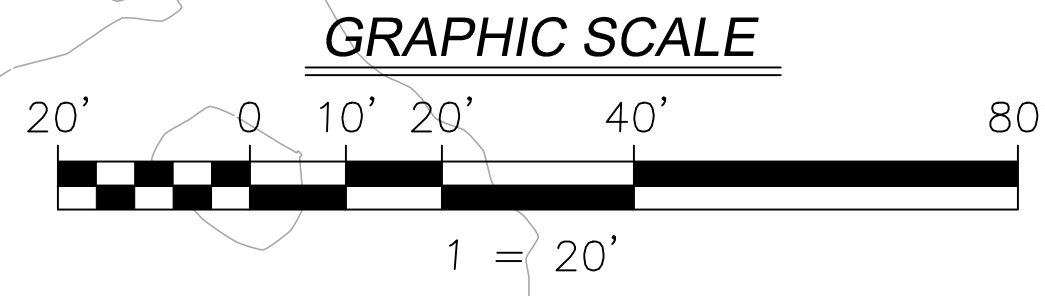
PATH REPLACEMENT FOR GABION INSTALLATION  
MOVED SLIGHTLY SOUTH TO ACCOMMODATE GRADING

500 YR FLOODPLAIN BOUNDARY

STORM WATER DETENTION POND

**LEGEND**

- ORDINARY HIGH WATER MARK
- FEMA BASE FLOOD BOUNDARY
- FEMA 500-YR FLOODPLAIN
- GABION BASKETS
- GABION STONE
- STONE TOE STABILIZATION
- WET PRAIRIE SEED MIX
- SHORTGRASS PRAIRIE SEED
- TURF (IDOT CLASS 1 SEED MIX)



PROJECT NO.: 240576  
ORIGINAL ISSUE DATE: 1/29/25

NO.	DATE	DESCRIPTION
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4	01/20/26	REVISED PER USACE COMMENTS
5	02/05/26	REVISED PER USACE COMMENTS
6	03/24/26	REVISED PER VILLAGE COMMENTS

PROJECT MANAGER: CWH  
DESIGNED BY: CDSK  
DRAWN BY: CDSK

**PROPOSED GRADING AND  
STABILIZATION PLAN  
LANCER CREEK STABILIZATION**

SCHAUMBURG

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630.724.9200 phone  
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DRAWING NO.  
**C3.2**

SHORTGRASS PRAIRIE SEED MIX (0.19 acres)				
Type	Species	Common Name	Seeding Rate (lbs/ac)	
Forbs	<i>Asclepias tuberosa</i>	Butterfly Weed	0.3125	
	<i>Allium cernuum</i>	Nodding Onion	0.2500	
	<i>Aster oolentangiense</i>	Sky Blue Aster	0.0625	
	<i>Astragalus canadensis</i>	Canadian Milk Vetch	0.2500	
	<i>Blephilia ciliata</i>	Downy Wood Mint	0.0313	
	<i>Cassia fasciculata</i>	Partridge Pea	0.5000	
	<i>Coreopsis lanceolata</i>	Sand Coreopsis	0.1250	
	<i>Coreopsis palmata</i>	Prairie Coreopsis	0.1250	
	<i>Dalea candidum</i>	White Prairie Clover	0.0630	
	<i>Dalea purpureum</i>	Purple Prairie Clover	0.1250	
	<i>Echinacea pallida</i>	Pale Purple Coneflower	0.2500	
	<i>Echinacea purpurea</i>	Broad-leaved Pur. Coneflower	0.3125	
	<i>Eryngium yuccifolium</i>	Rattlesnake Master	0.1875	
	<i>Euthamia graminifolia</i>	Grass-Leaved Goldenrod	0.0156	
	<i>Lespedeza capitata</i>	Round-Headed Bush Clover	0.1875	
	<i>Manarda fistulosa</i>	Wild Bergamot	0.1250	
	<i>Penstemon digitalis</i>	Foxglove Beard Tongue	0.1250	
	<i>Potentilla arguta</i>	Prairie Cinquifol	0.0625	
<i>Pycnanthemum virginianum</i>	Mountain Mint	0.0625		
<i>Rudbeckia hirta</i>	Black-eyed Susan	0.2500		
<i>Tradescantia ohlensis</i>	Ohio Spiderwort	0.2500		
<i>Verbena stricta</i>	Hoary Vervain	0.0625		
<i>Zizia aurea</i>	Golden Alexanders	0.1875		
	<b>sub total</b>		<b>3.9224</b>	
Grasses & Sedges	<i>Bouteloua curtipendula</i>	Side-oats Grama	6.000	
	<i>Chasmanthium latifolium</i>	River Oats	0.500	
	<i>Carex bicknellii</i>	Bicknells Sedge	0.125	
	<i>Carex brevior</i>	Shorter Sedge	0.125	
	<i>Carex molesta</i>	Field Oval Sedge	0.125	
	<i>Carex vulpinoidea</i>	Fox Sedge	0.250	
	<i>Elymus canadensis</i>	Canada Wild Rye	3.000	
	<i>Elymus virginicus</i>	Virginia Wild Rye	2.000	
	<i>Panicum virgatum</i>	Switch Grass	0.250	
	<i>Schizachyrium scoparium</i>	Little Bluestem	6.000	
		<b>sub total</b>		<b>18.375</b>
		<b>Total Permanent Species:</b>		<b>22.297</b>
	Cover	<i>Avena sativa</i>	Seed Oats	32.000

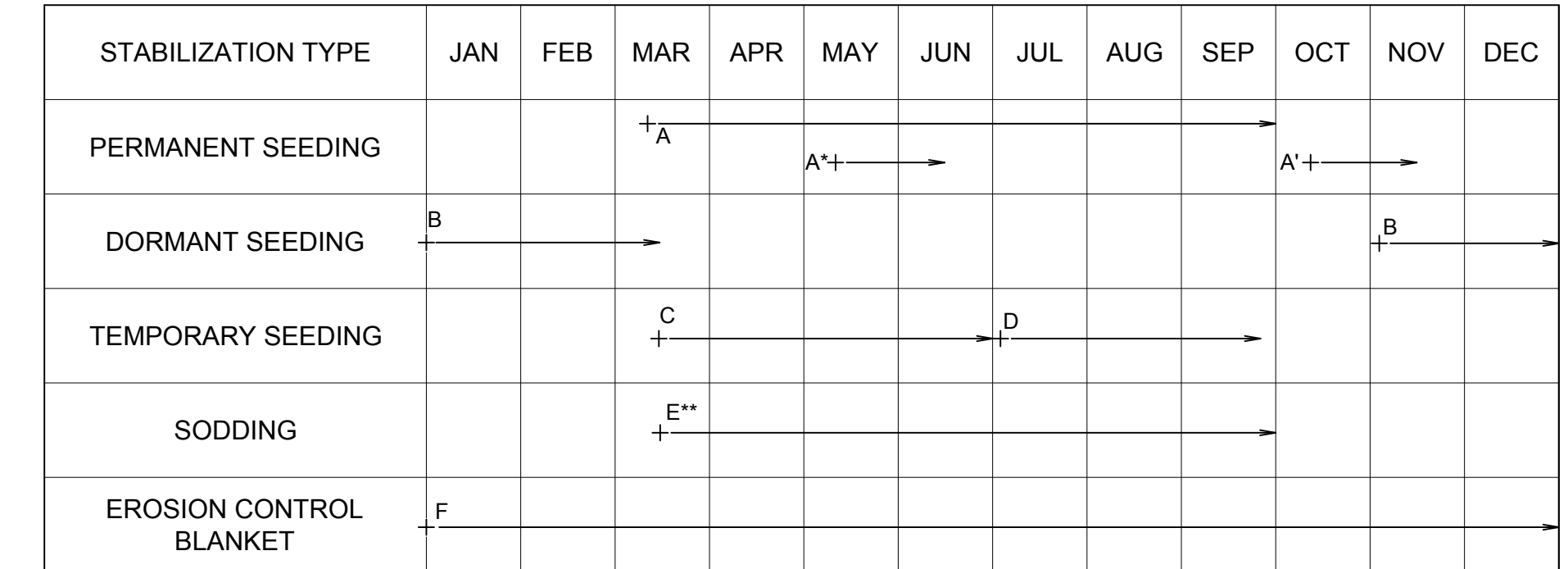
WET PRAIRIE SEED MIX (0.05 acres)				
Type	Species	Common Name	Seeding Rate (lbs/ac)	
Forbs	<i>Asclepias incarnata</i>	Swamp Milkweed	0.37500	
	<i>Bidens cernua</i>	Nodding Bur Marigold	0.12500	
	<i>Epilobium coloratum</i>	Cinnamon Willow Herb	0.03125	
	<i>Euthamia graminifolia</i>	Grass-Leaved Goldenrod	0.03125	
	<i>Helenium autumnale</i>	Sneezeweed	0.12500	
	<i>Liatris pycnostachya</i>	Prairie Blazing Star	0.25000	
	<i>Lobelia cardinalis</i>	Cardinal Flower	0.06250	
	<i>Lobelia siphilitica</i>	Blue Lobelia	0.03125	
	<i>Lysimachia ciliata</i>	Fringed Loosetrife	0.06250	
	<i>Lythrum alatum</i>	Winged Loosetrife	0.00500	
	<i>Mimulus ringens</i>	Monkey Flower	0.01563	
	<i>Oligoneuron riddellii</i>	Riddell's Goldenrod	0.06250	
	<i>Physostegia virginiana</i>	Obedient Plant	0.37500	
	<i>Pycnanthemum virginianum</i>	Mountain Mint	0.06250	
	<i>Scutellaria lateriflora</i>	Mad-Dog Skullcap	0.06250	
	<i>Verbena hastata</i>	Blue Vervain	0.12500	
		<b>sub total</b>		<b>1.80188</b>
	Grasses, Sedges & Rushes	<i>Calamagrostis canadensis</i>	Blue Joint Grass	0.06250
<i>Carex cristatella</i>		Crested Oval Sedge	0.12500	
<i>Carex scoparia</i>		Lance-Fruited Oval Sedge	0.12500	
<i>Carex stipata</i>		Awl-Fruited Sedge	0.12500	
<i>Elymus riparius</i>		Riverbank Rye	2.00000	
<i>Elymus virginicus</i>		Virginia Wild Rye	3.00000	
<i>Glyceria striata</i>		Fowl Manna Grass	0.12500	
<i>Juncus dudleys</i>		Dudley's rush	0.01563	
<i>Juncus torreyi</i>		Torrey's Rush	0.01563	
<i>Leersia oryzoides</i>		Rice Cut Grass	0.50000	
<i>Panicum virgatum</i>		Switch Grass	1.00000	
<i>Scirpus atrovirens</i>		Dark-Green Bulrush	0.03125	
<i>Scirpus cyperinus</i>		Wool Grass	0.01563	
<i>Scirpus pendulus</i>	Rufous Bulrush	0.06250		
	<b>sub total</b>		<b>7.20313</b>	
	<b>Total Permanent Species:</b>		<b>9.00500</b>	
Cover	<i>Avena sativa</i>	Seed Oats	32.000	

**EROSION CONTROL PLAN**

- CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR TO INSTALL PERIMETER EROSION BARRIER AND/OR IN-STREAM EROSION CONTROL PRIOR TO COMMENCEMENT OF ANY EARTHWORK. CONTRACTOR TO MAINTAIN PROTECTION MEASURES AS SHOWN AND INSTALL ADDITIONAL SILT FENCE WHEREVER NECESSARY THROUGHOUT CONSTRUCTION ACTIVITIES TO MINIMIZE SOIL EROSION.
- CONTRACTOR TO INSTALL INLET PROTECTION ON ALL OPEN LID STRUCTURES (AS REQUIRED).
- EROSION CONTROL BLANKET (NAG S150BN OR APPROVED EQUAL) SHALL BE PLACED ON ALL AREAS WITH SIDE SLOPES OF 4:1 OR GREATER OUTSIDE STONE AREAS. ALL DISTURBED AREAS TO BE SEEDED WITH SLOPES LESS THAN 4:1 SHOULD USE NAG S75BN OR APPROVED EQUAL.
- ALL SEDIMENT AND EROSION CONTROL MEASURES IN AND AROUND THE PROPOSED IMPROVEMENTS ARE TO REMAIN IN PLACE AND TO BE MAINTAINED THROUGHOUT CONSTRUCTION ACTIVITIES UNTIL THE PROPOSED IMPROVEMENTS ARE COMPLETED AND THE SITE ADEQUATELY STABILIZED.
- ALL DISTURBED AREAS OUTSIDE OF STONE LIMITS SHALL BE SEEDED PER PLANTING ZONES SHOWN ON C3.1 AND C3.2 AND BLANKETED PER NOTE 4.
- CONTRACTOR SHALL COORDINATE WITH OWNER REGARDING TREE REMOVAL. NO TREES SHALL BE REMOVED WITHOUT APPROVAL FROM OWNER.

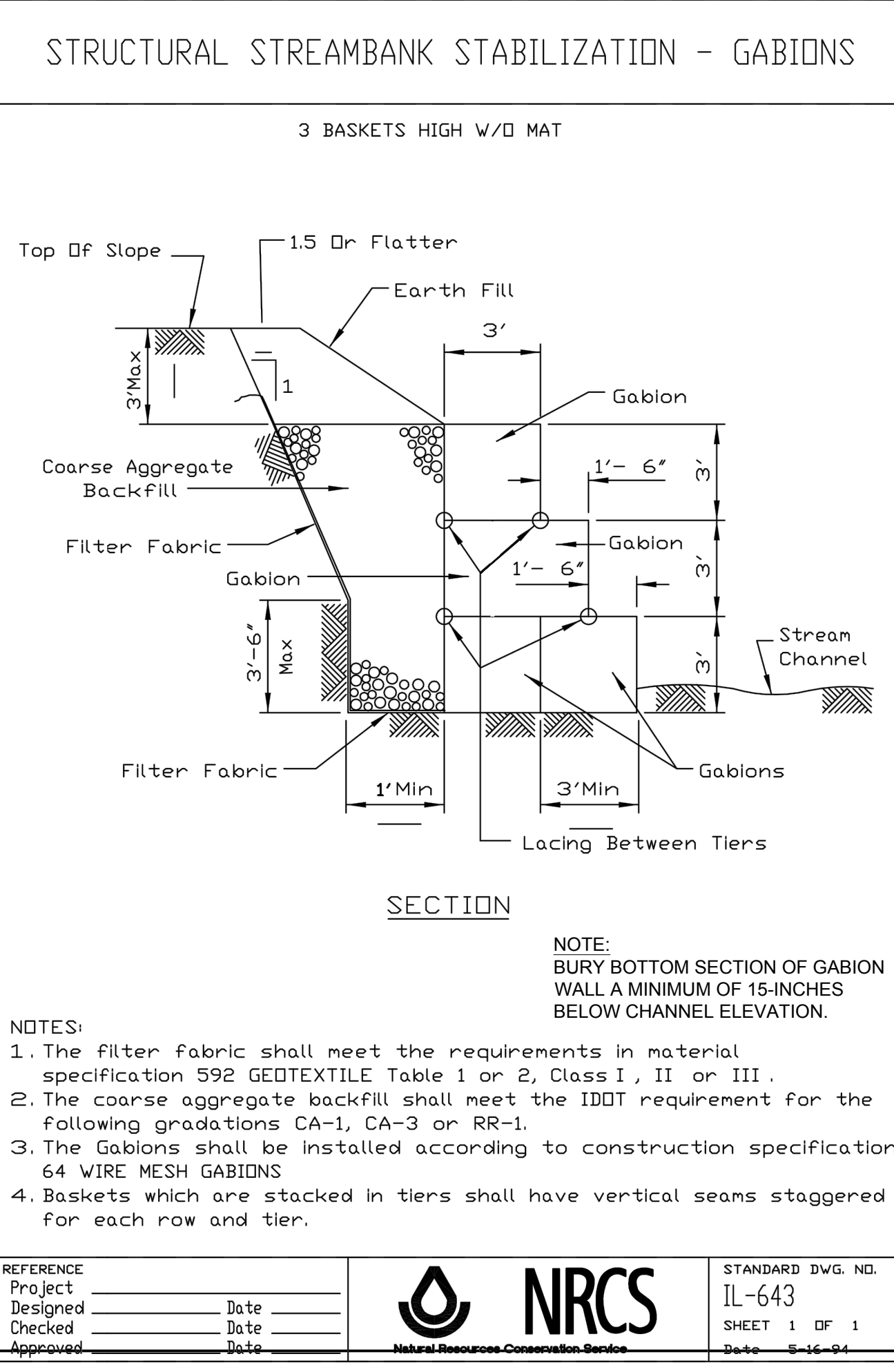
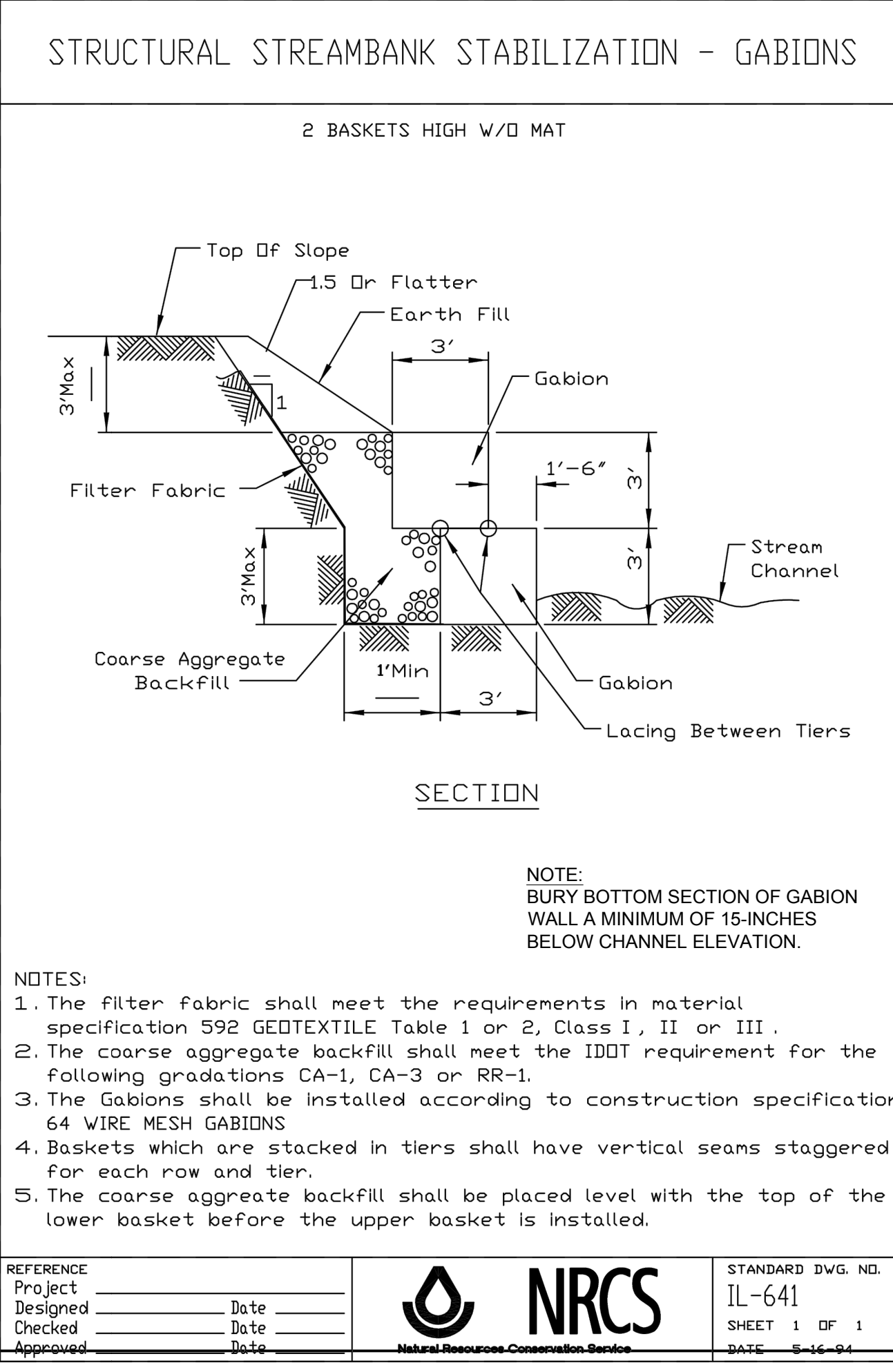
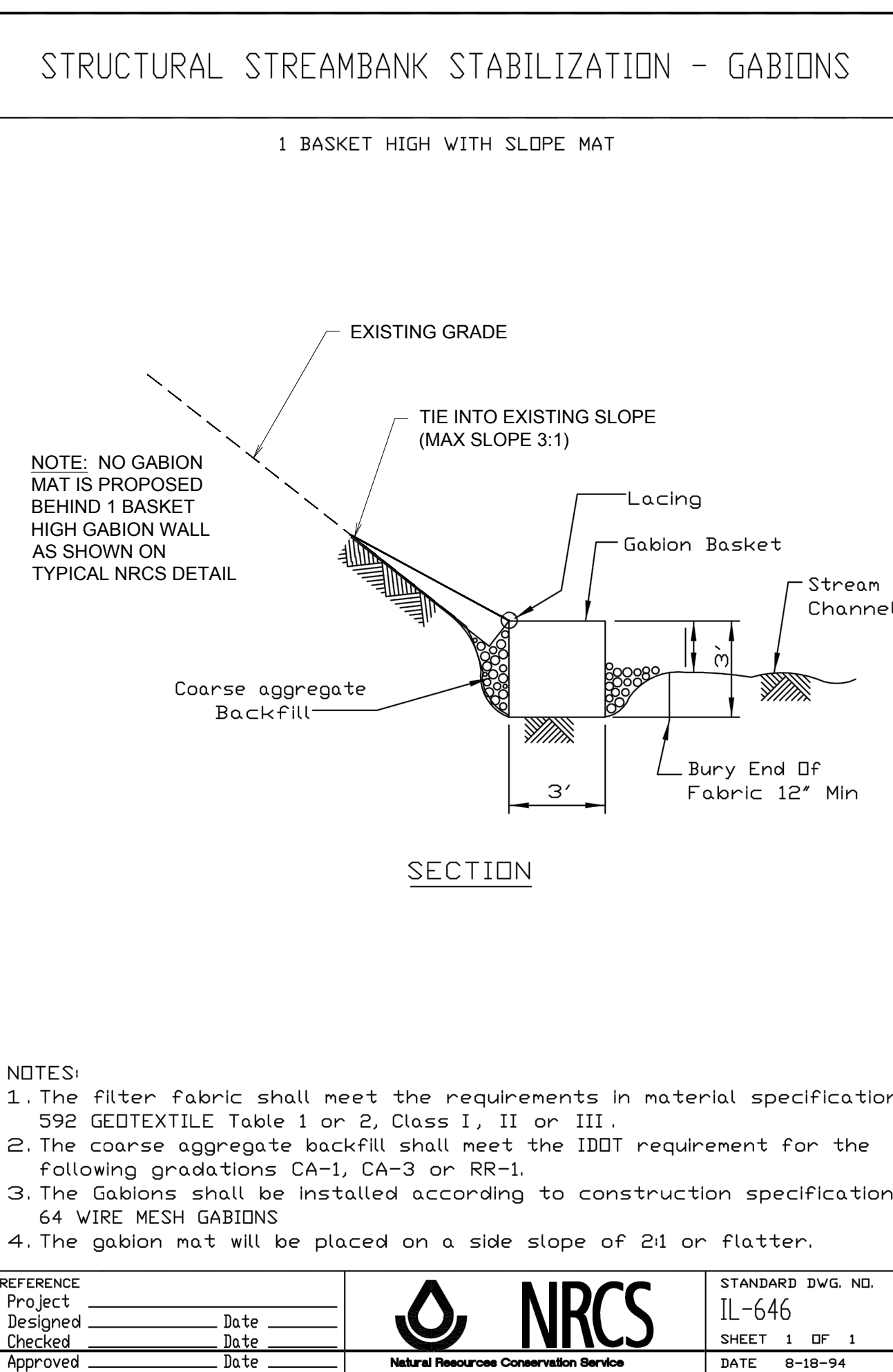
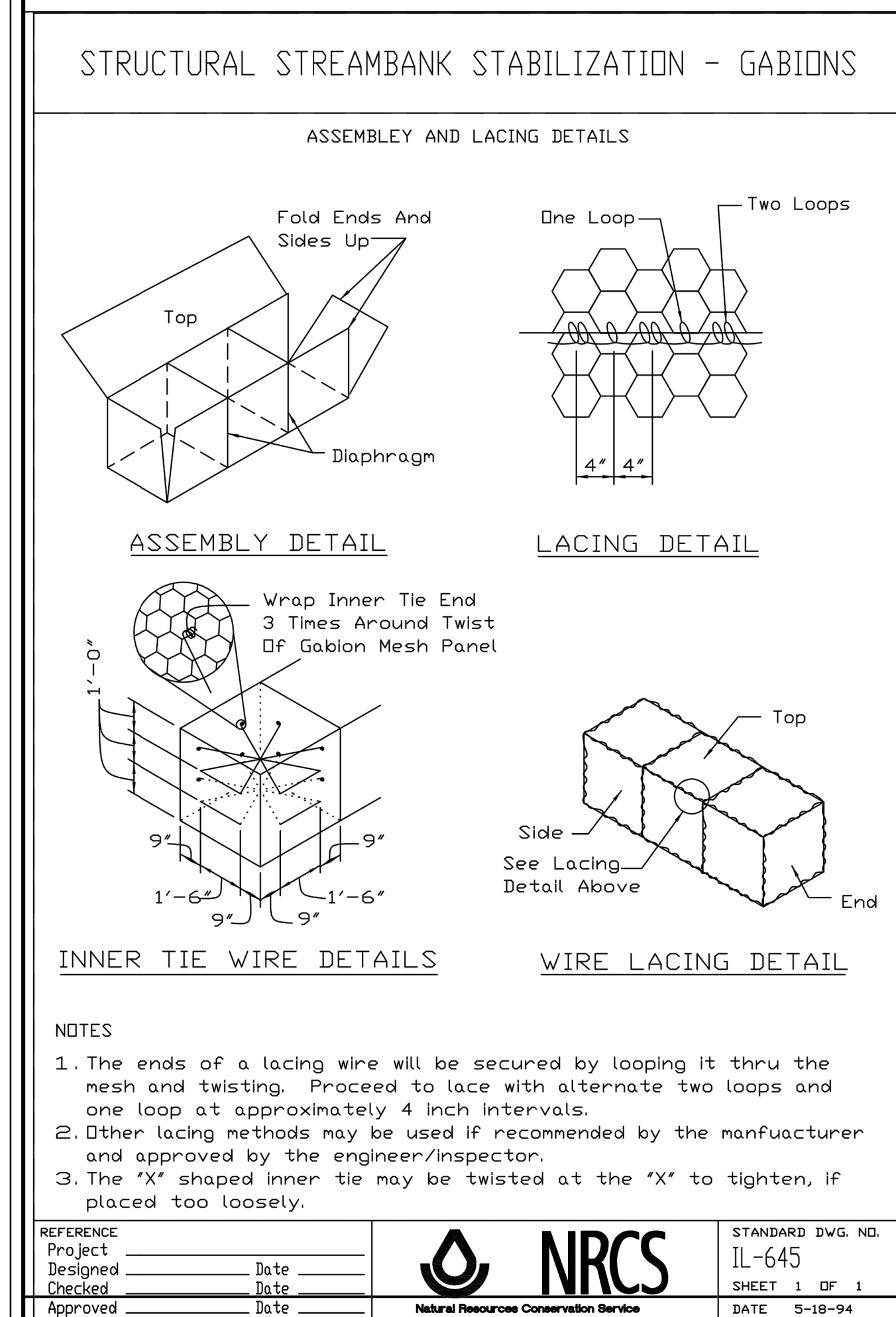
**INSTREAM WORK PLAN**

CONTRACTOR SHALL SUBMIT INSTREAM WORK PLAN TO OWNER AND NORTH COOK COUNTY SWCD FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION



- A KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE  
 B KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + 2 TONS STRAW MULCH/ACRE  
 C SPRING OATS 100 LBS/ACRE  
 D WHEAT OR CEREAL RYE 150 LBS/ACRE  
 E SOD  
 F EROSION CONTROL BLANKET MIXED WITH PERENNIAL RYEGRASS S75BN ON SLOPES LESS THAN 4:1 S150BN ON SLOPES GREATER THAN 4:1
- \* IRRIGATION NEEDED DURING JUNE AND JULY  
 \*\* IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD

**SOIL STABILIZATION CHART**



REVISIONS		DESCRIPTION
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5	02/05/26	REVISED PER USACE COMMENTS
6	03/24/26	REVISED PER VILLAGE COMMENTS

ORIGINAL ISSUE DATE: 1/29/25

PROJECT NO.: 240576  
 PROJECT MANAGER: CWH  
 DESIGNED BY: CDSK  
 DRAWN BY: CDSK

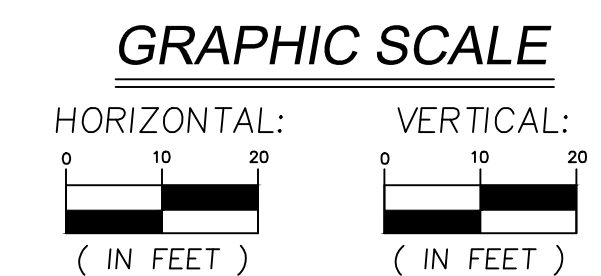
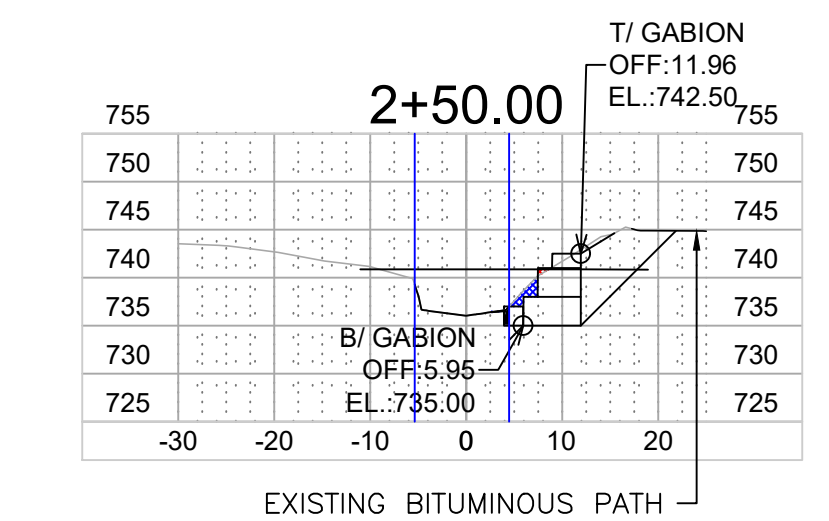
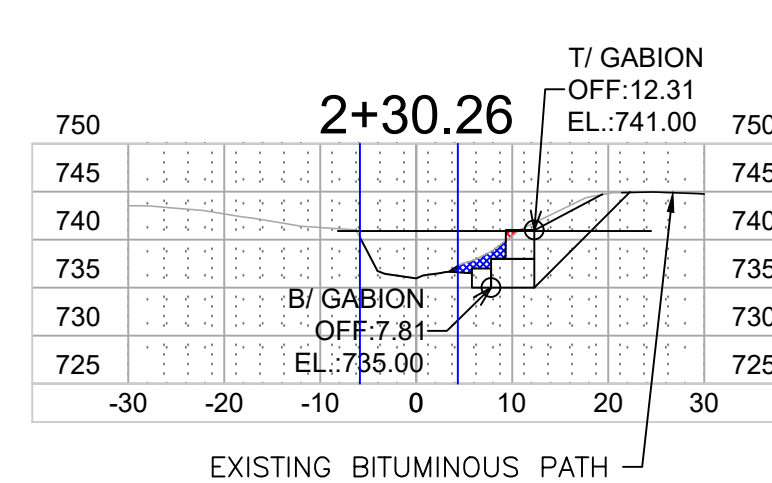
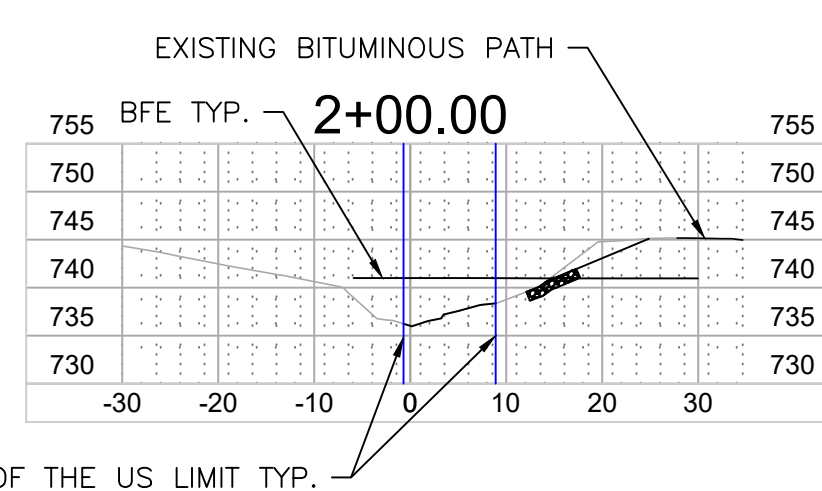
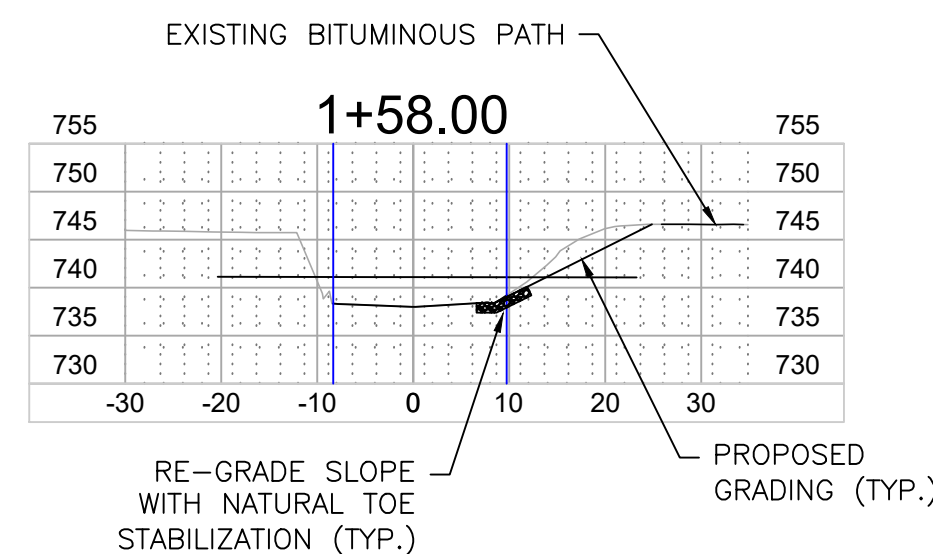
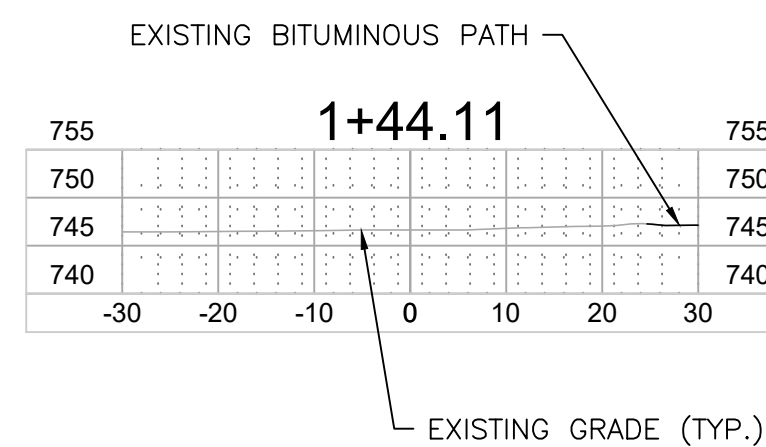
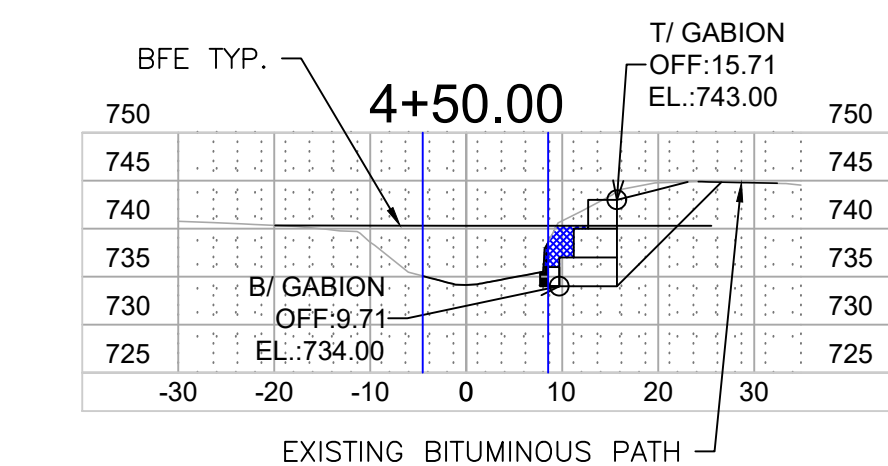
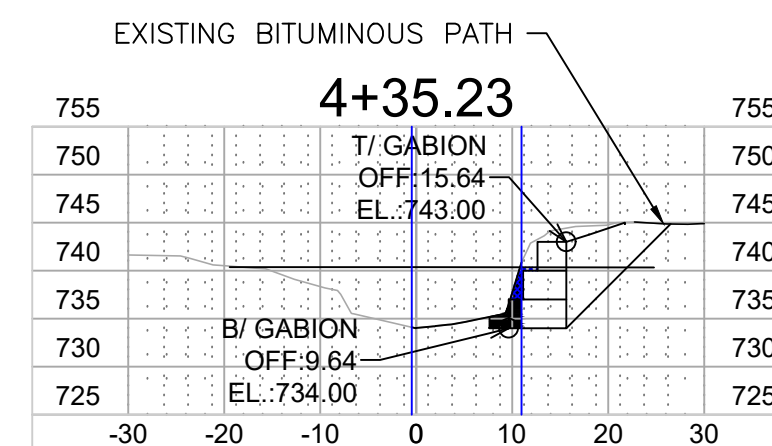
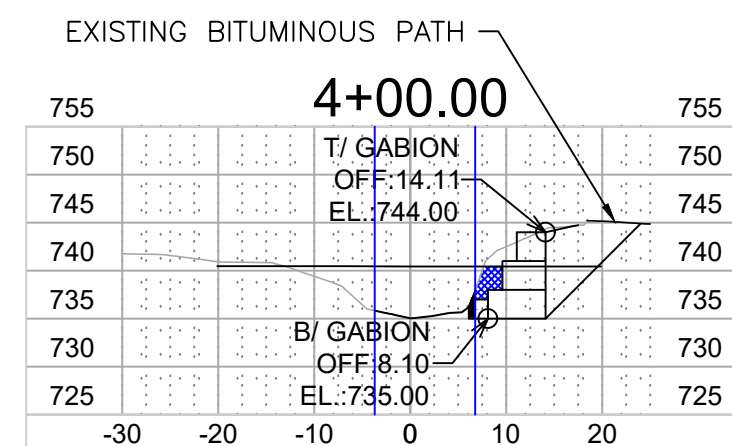
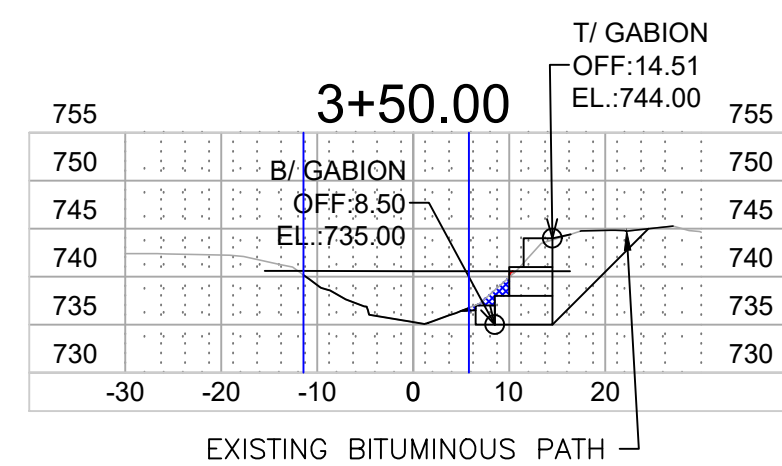
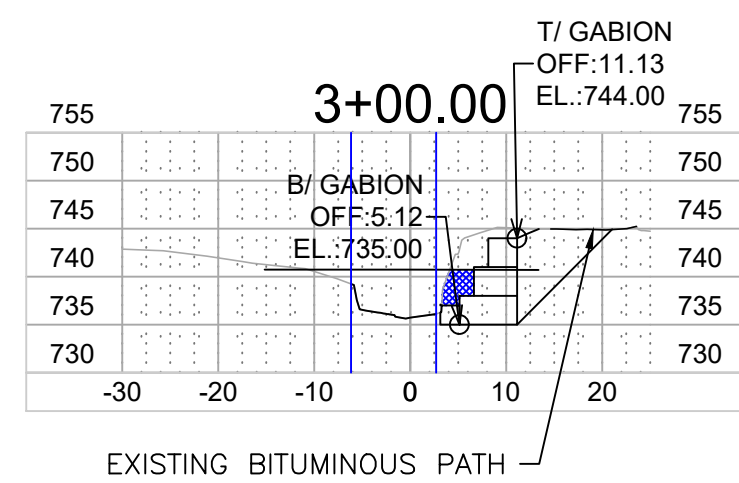
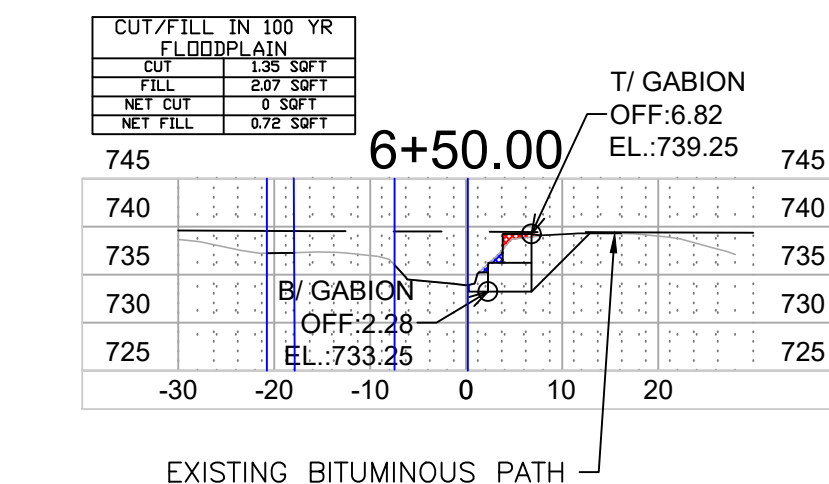
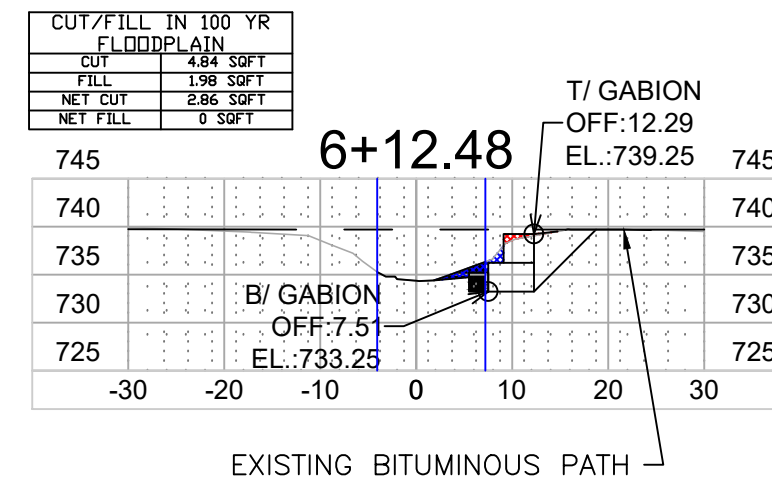
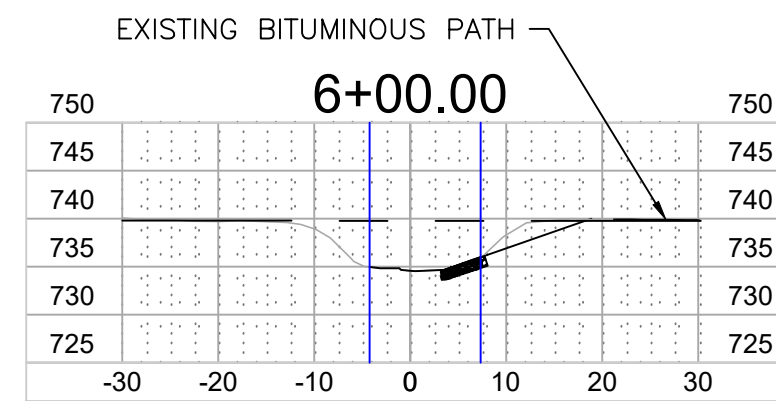
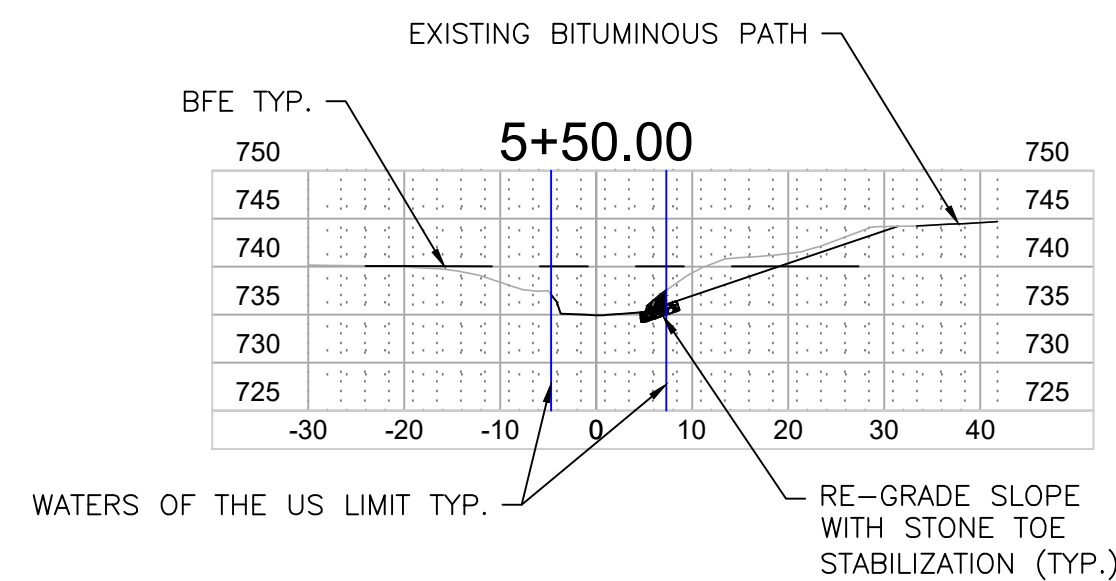
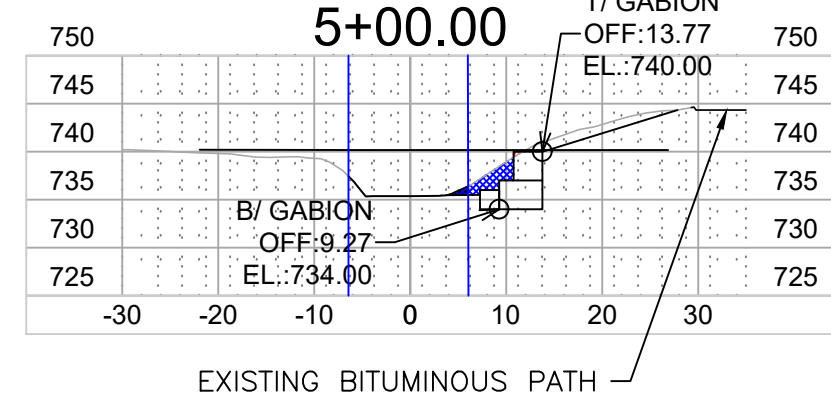
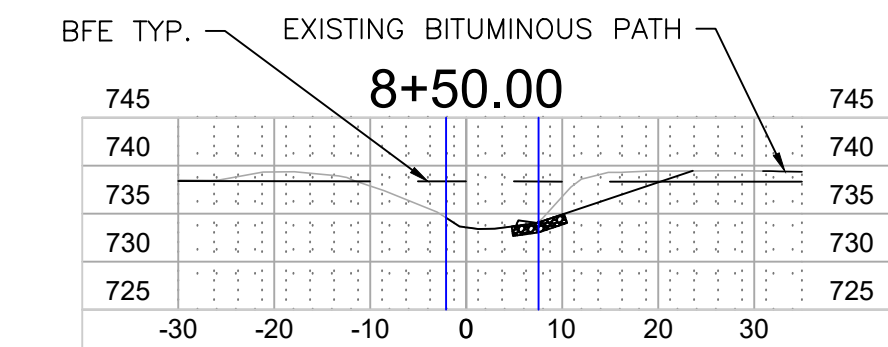
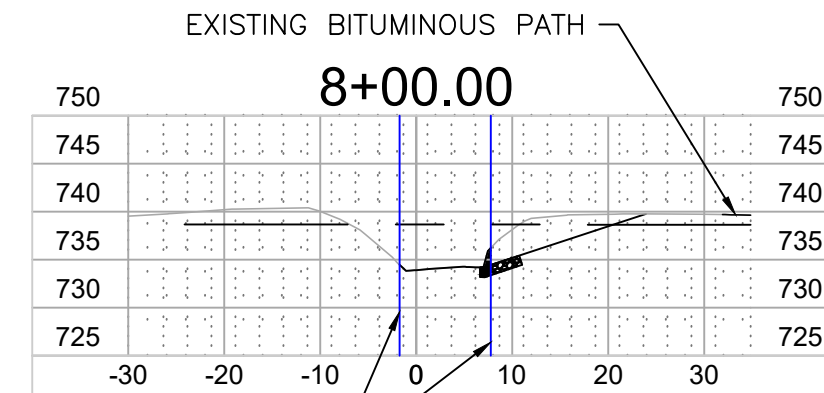
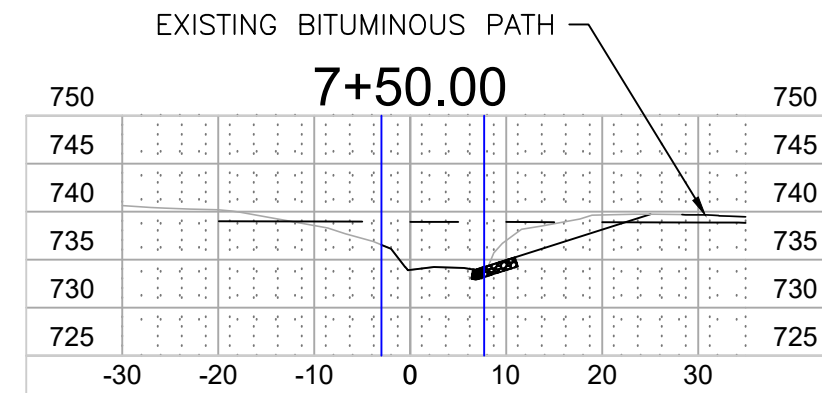
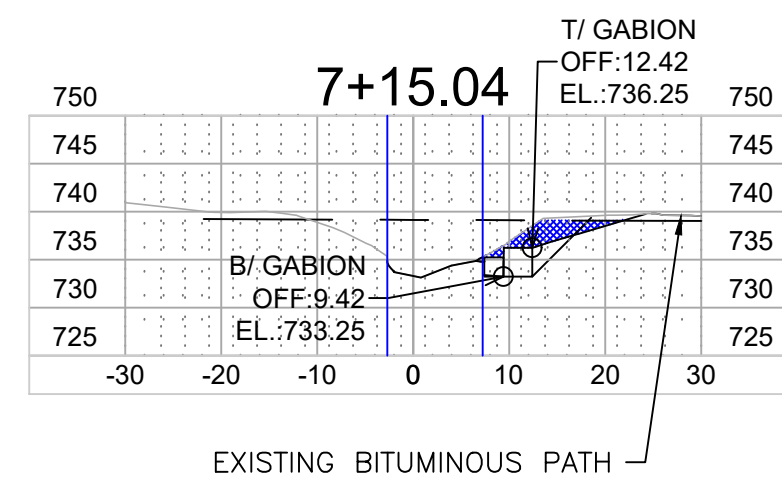
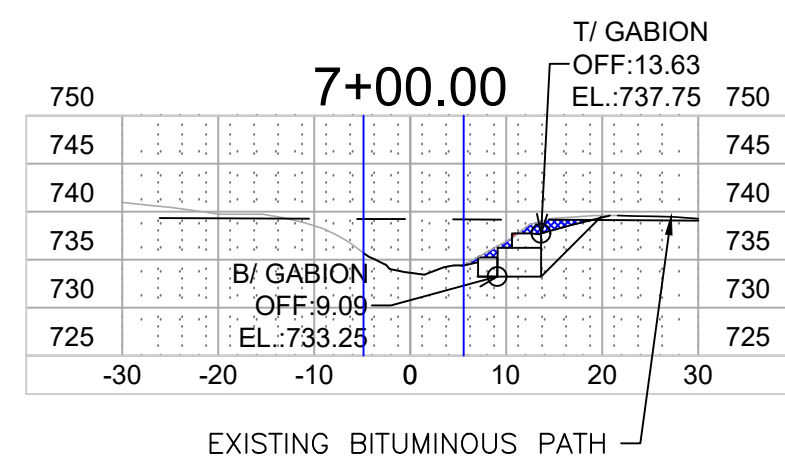
**EROSION CONTROL NOTES AND DETAILS**

**LANCER CREEK STABILIZATION**

SCHAUMBURG

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 Woodridge, IL 60517  
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DRAWING NO. **C3.3**



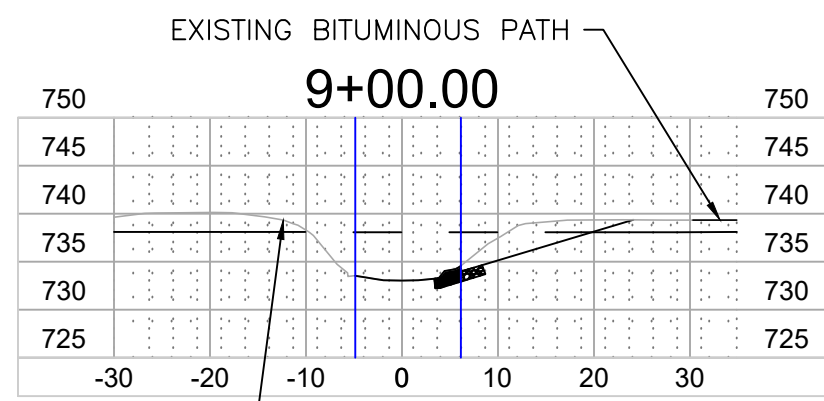
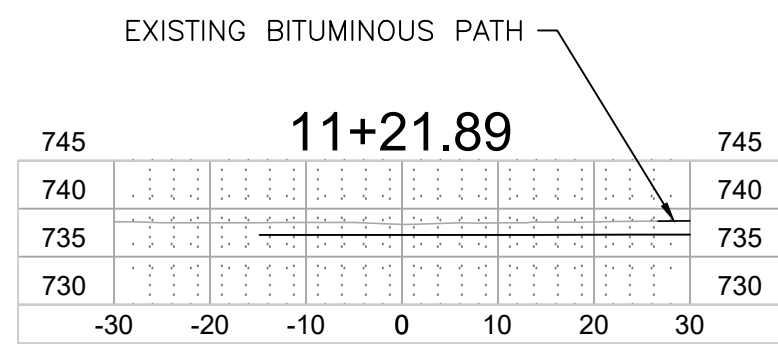
REVISIONS		NO.	DATE	DESCRIPTION
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2	12/18/25	REVISED PER USACE COMMENTS		

PROJECT NO.: 240576  
 ORIGINAL ISSUE DATE: 1/29/25  
 PROJECT MANAGER: CWH  
 DESIGNED BY: CDSK  
 DRAWN BY: CDSK  
 IL

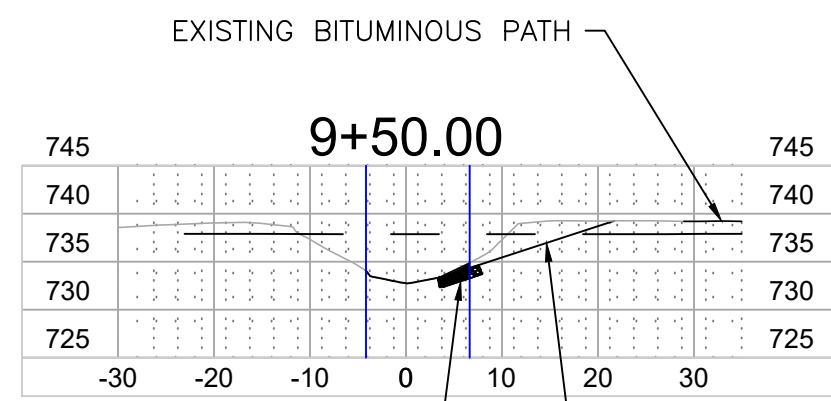
**CROSS SECTIONS**  
**LANCER CREEK STABILIZATION**  
 SCHAUMBURG

7325 Janes Avenue  
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DRAWING NO.  
**C4.1**

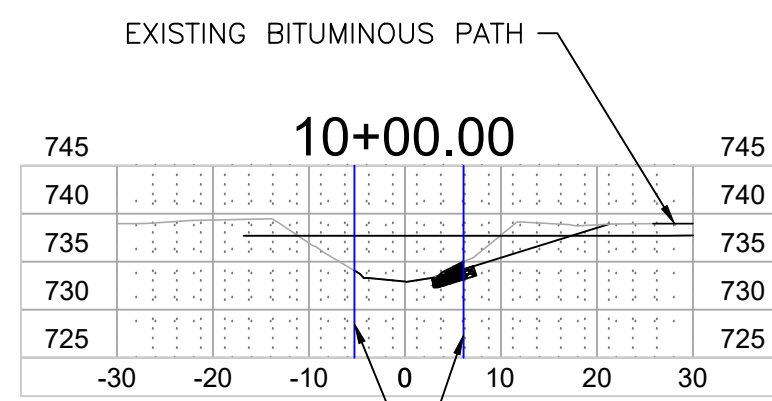


EXISTING GRADE (TYP.)

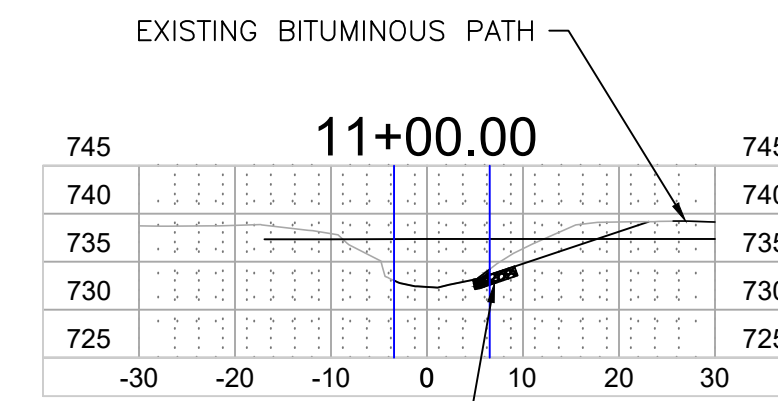
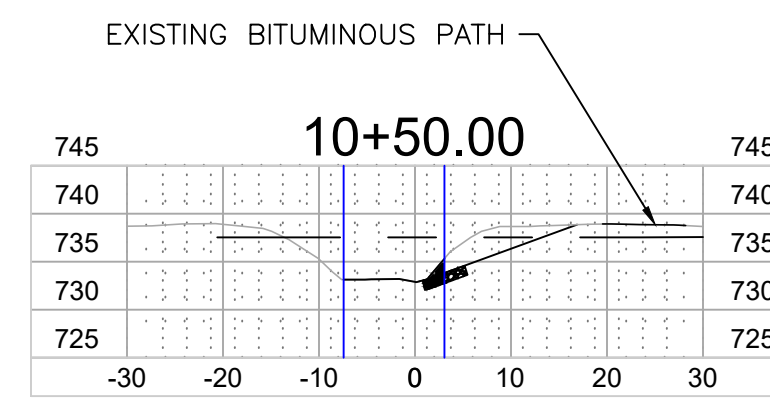


RE-GRADE SLOPE WITH STONE TOE STABILIZATION (TYP.)

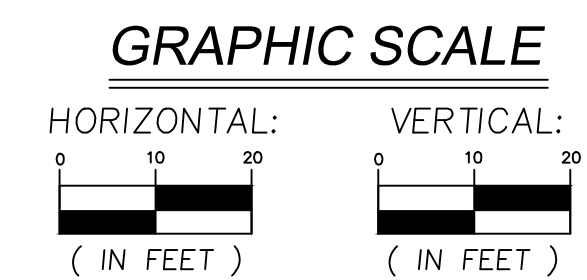
PROPOSED GRADING (TYP.)



WATERS OF THE US LIMIT TYP.



STONE TOE



PROJECT NO.: 240576  
 ORIGINAL ISSUE DATE: 1/29/25  
 PROJECT MANAGER: CWH  
 DESIGNED BY: CDSK  
 DRAWN BY: CDSK

REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	REVISED PER USACE COMMENTS

**CROSS SECTIONS**

**LANCER CREEK STABILIZATION**

SCHAUMBURG

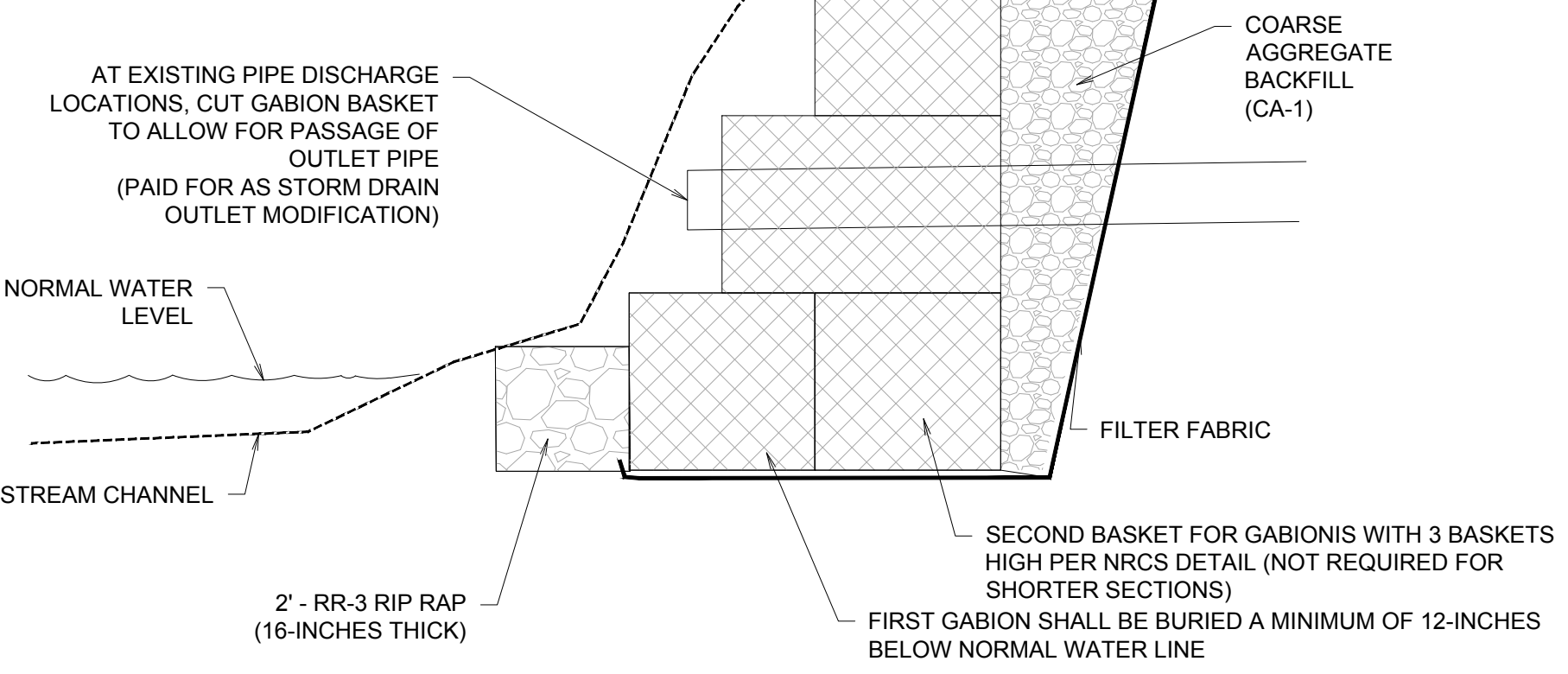
7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
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DRAWING NO.

**C4.2**

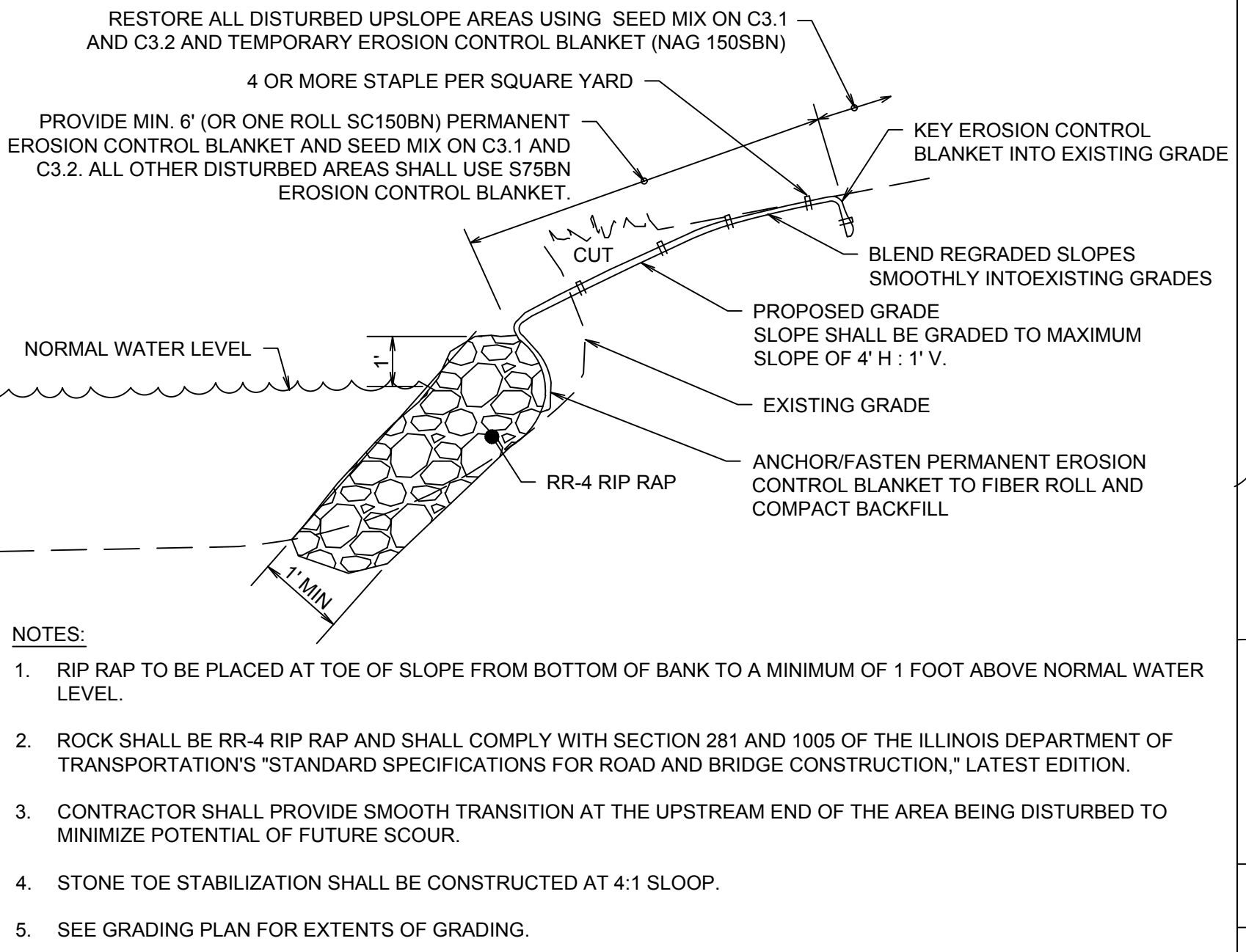
HEIGHT	LENGTH
4.5 FEET	25 LF
6.0 FEET	795 LF
7.5 FEET	455 LF
9.0 FEET	300 LF

\*HEIGHT IS MEASURED FROM BOTTOM OF LOWEST BASKET (MINIMUM 15-INCHES BELOW NORMAL WATER LEVEL)



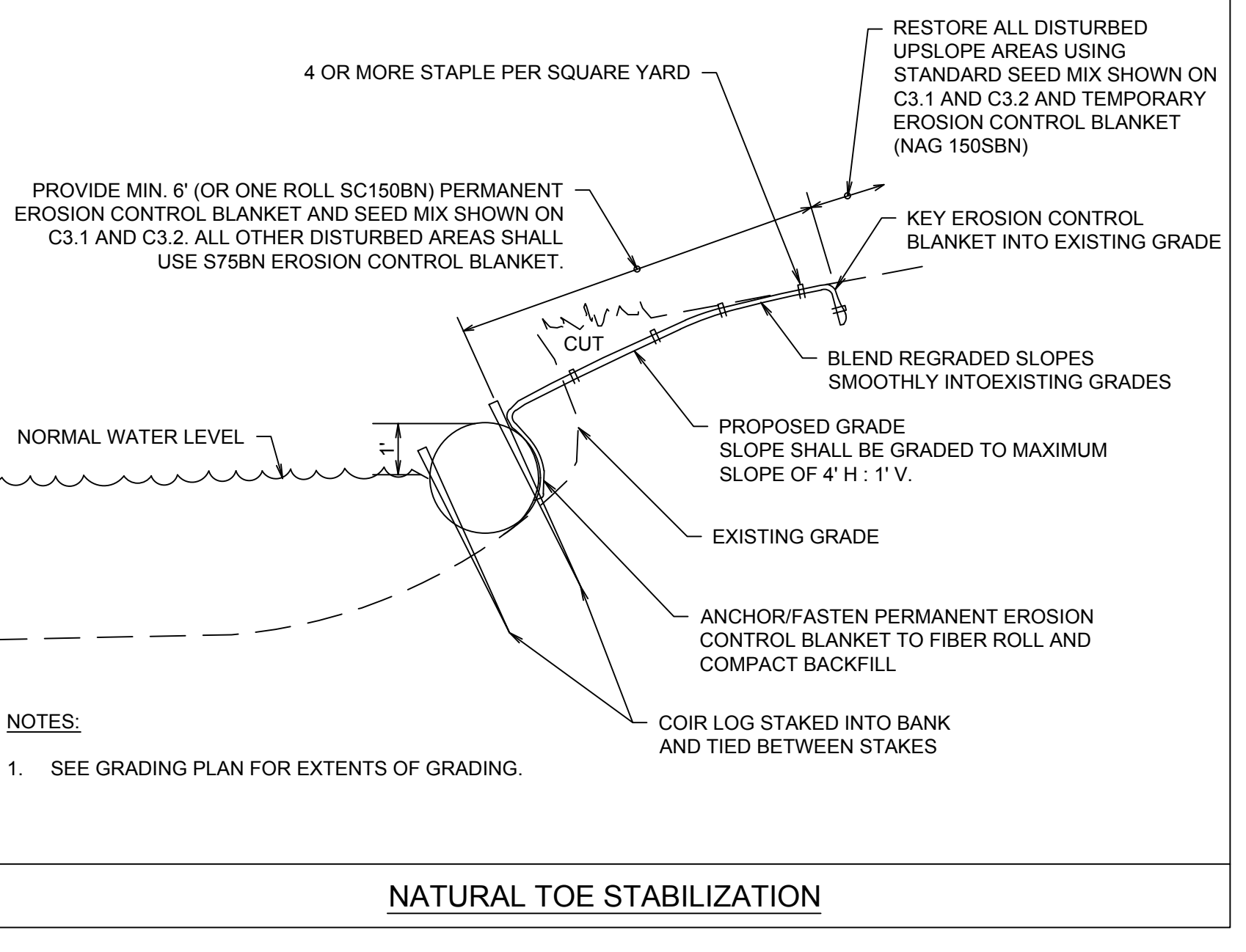
NOTES:  
1. GABIONS SHALL BE CONSTRUCTED IN VARYING HEIGHTS TO MATCH TOP OF EXISTING BANK (SEE CROSS SECTIONS) AND SHALL BE STEPPED BY 18-INCH INCREMENTS. FOLLOW DETAILS IL-641, IL-643, IL-645, AND IL-646 DEPENDING ON THE HEIGHT OF THE GABIONS.

GABION DETAIL



NOTES:  
1. RIP RAP TO BE PLACED AT TOE OF SLOPE FROM BOTTOM OF BANK TO A MINIMUM OF 1 FOOT ABOVE NORMAL WATER LEVEL.  
2. ROCK SHALL BE RR-4 RIP RAP AND SHALL COMPLY WITH SECTION 281 AND 1005 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.  
3. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION AT THE UPSTREAM END OF THE AREA BEING DISTURBED TO MINIMIZE POTENTIAL OF FUTURE SCOUR.  
4. STONE TOE STABILIZATION SHALL BE CONSTRUCTED AT 4:1 SLOOP.  
5. SEE GRADING PLAN FOR EXTENTS OF GRADING.

STONE TOE STABILIZATION

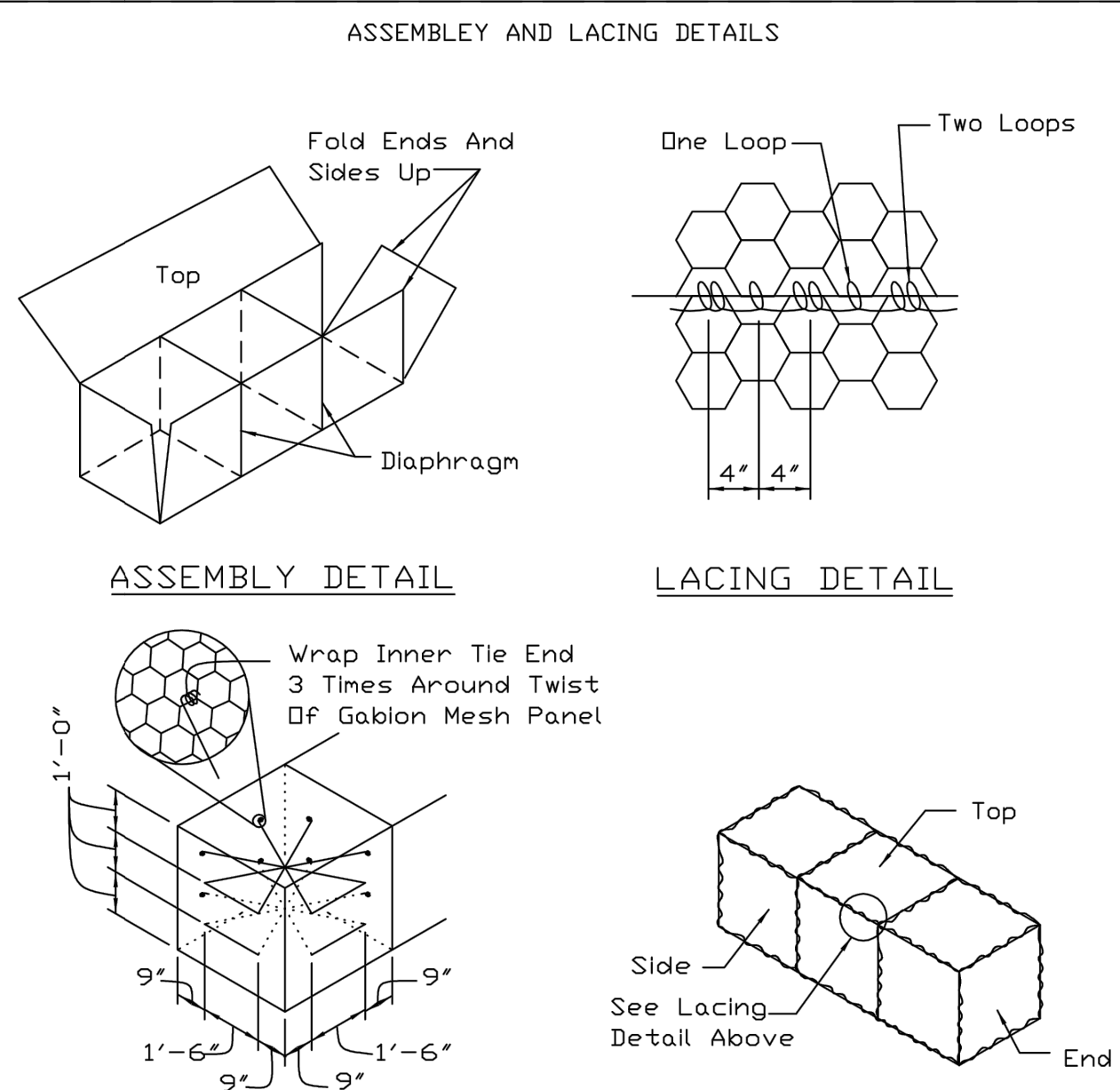


NOTES:  
1. SEE GRADING PLAN FOR EXTENTS OF GRADING.

NATURAL TOE STABILIZATION

REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	REVISED PER USACE COMMENTS
3	REVISED PER USACE COMMENTS
4	REVISED PER USACE COMMENTS
5	REVISED PER USACE COMMENTS
6	REVISED PER VILLAGE COMMENTS

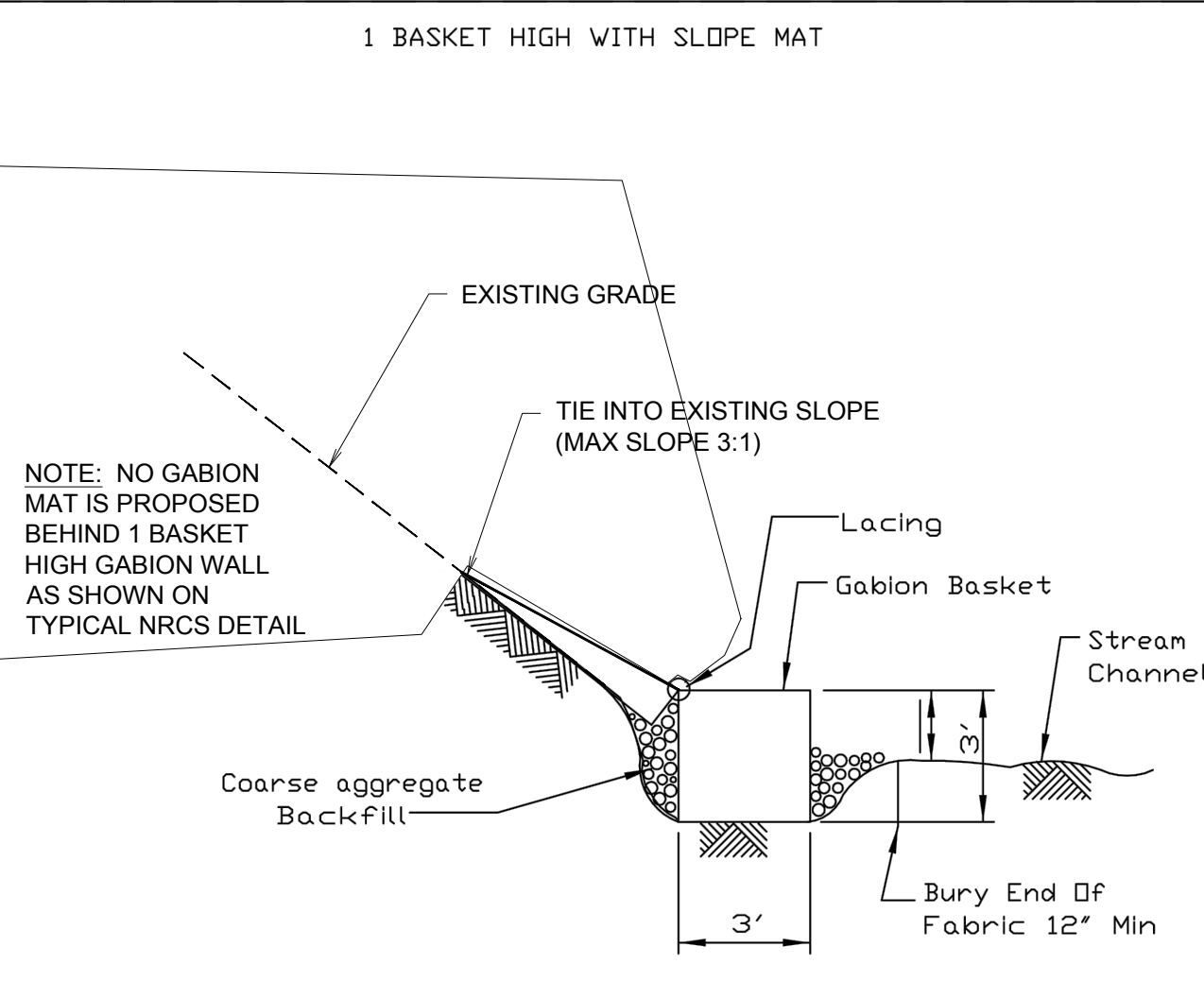
STRUCTURAL STREAMBANK STABILIZATION - GABIONS



NOTES:  
1. The ends of a lacing wire will be secured by looping it thru the mesh and twisting. Proceed to lace with alternate two loops and one loop at approximately 4 inch intervals.  
2. Other lacing methods may be used if recommended by the manufacturer and approved by the engineer/inspector.  
3. The 'X' shaped inner tie may be twisted at the 'X' to tighten, if placed too loosely.

REFERENCE Project _____	DESIGNED _____	CHECKED _____	APPROVED _____
DATE _____	DATE _____	DATE _____	DATE _____

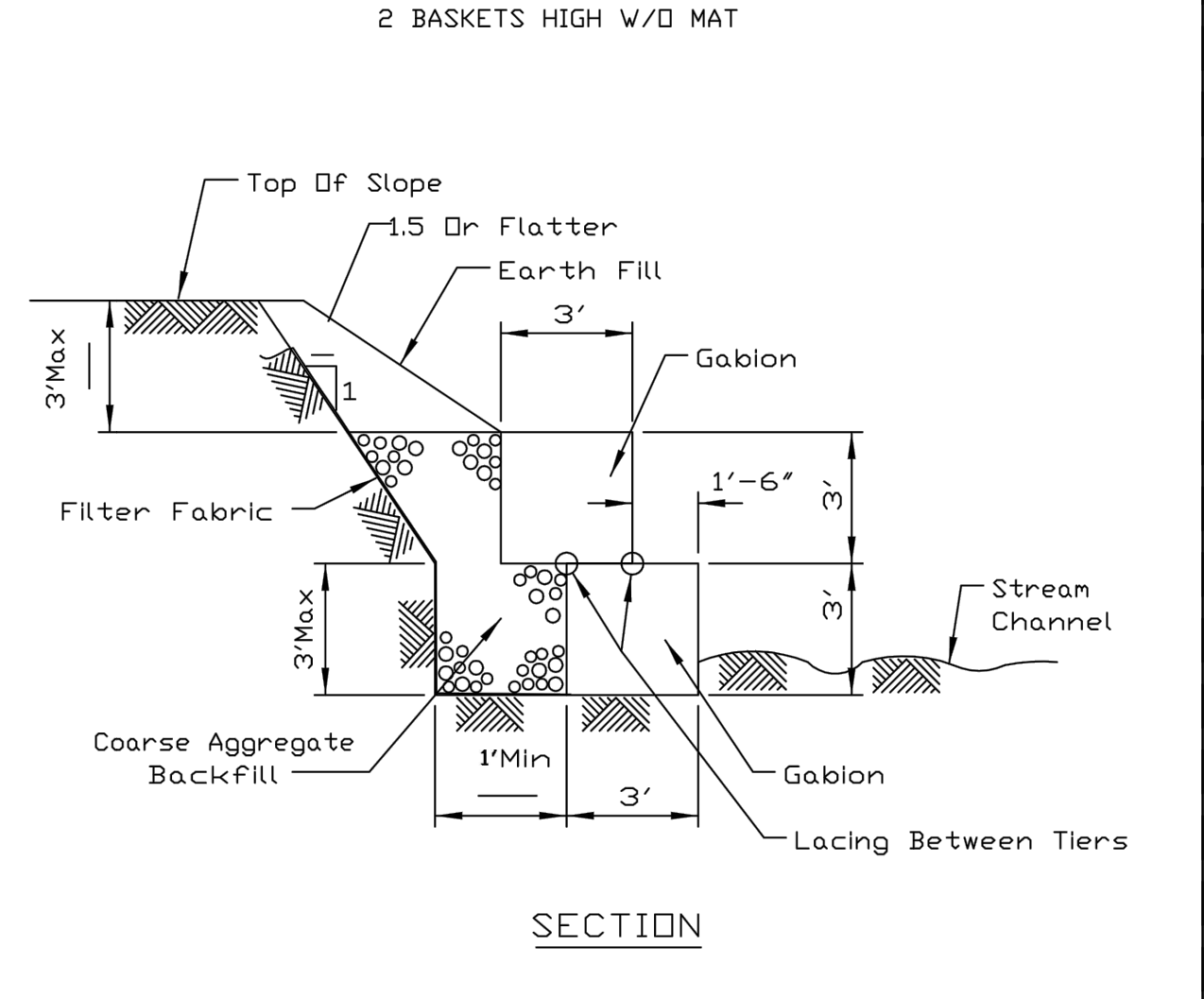
STRUCTURAL STREAMBANK STABILIZATION - GABIONS



NOTES:  
1. The filter fabric shall meet the requirements in material specification 592 GEDTEXTILE Table 1 or 2, Class I, II or III.  
2. The coarse aggregate backfill shall meet the IDDT requirement for the following gradations CA-1, CA-3 or RR-1.  
3. The Gabions shall be installed according to construction specification 64 WIRE MESH GABIONS  
4. The gabion mat will be placed on a side slope of 2:1 or flatter.

REFERENCE Project _____	DESIGNED _____	CHECKED _____	APPROVED _____
DATE _____	DATE _____	DATE _____	DATE _____

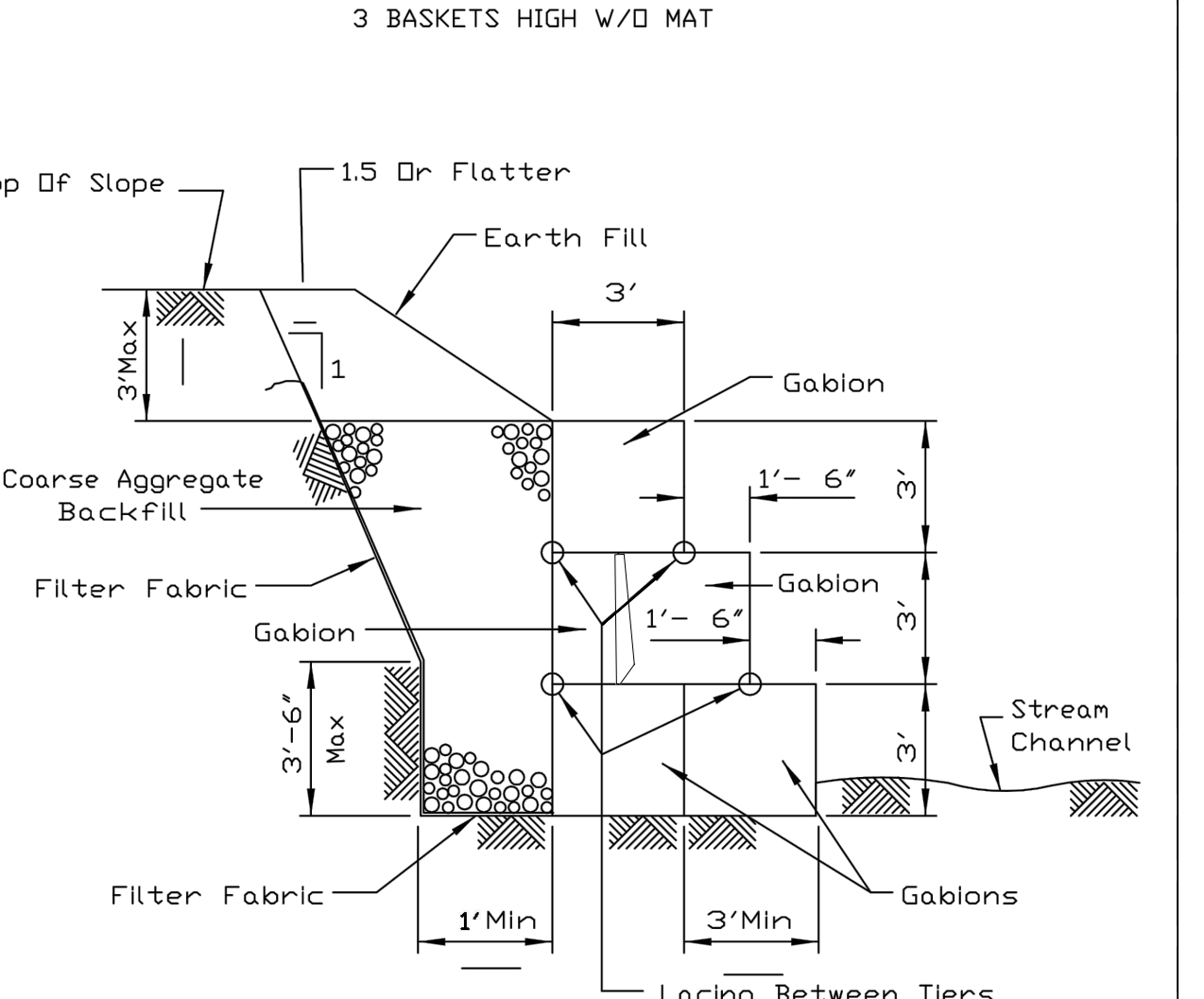
STRUCTURAL STREAMBANK STABILIZATION - GABIONS



NOTES:  
1. The filter fabric shall meet the requirements in material specification 592 GEDTEXTILE Table 1 or 2, Class I, II or III.  
2. The coarse aggregate backfill shall meet the IDDT requirement for the following gradations CA-1, CA-3 or RR-1.  
3. The Gabions shall be installed according to construction specification 64 WIRE MESH GABIONS  
4. Baskets which are stacked in tiers shall have vertical seams staggered for each row and tier.  
5. The coarse aggregate backfill shall be placed level with the top of the lower basket before the upper basket is installed.

REFERENCE Project _____	DESIGNED _____	CHECKED _____	APPROVED _____
DATE _____	DATE _____	DATE _____	DATE _____

STRUCTURAL STREAMBANK STABILIZATION - GABIONS



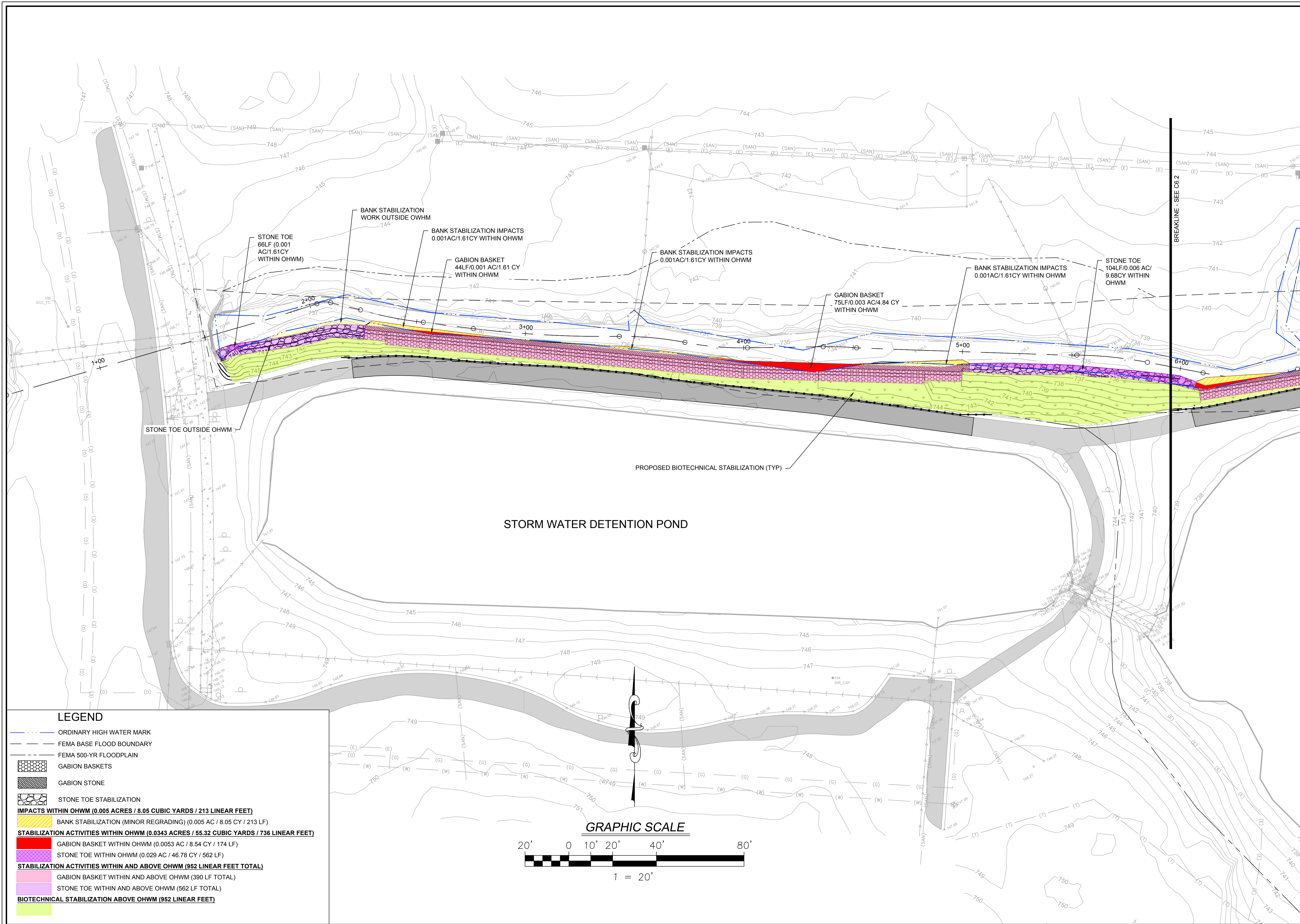
NOTES:  
1. The filter fabric shall meet the requirements in material specification 592 GEDTEXTILE Table 1 or 2, Class I, II or III.  
2. The coarse aggregate backfill shall meet the IDDT requirement for the following gradations CA-1, CA-3 or RR-1.  
3. The Gabions shall be installed according to construction specification 64 WIRE MESH GABIONS  
4. Baskets which are stacked in tiers shall have vertical seams staggered for each row and tier.

REFERENCE Project _____	DESIGNED _____	CHECKED _____	APPROVED _____
DATE _____	DATE _____	DATE _____	DATE _____

CONSTRUCTION DETAILS  
LANCER CREEK STABILIZATION  
SCHAUMBURG  
IL

7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
www.v3co.com

DRAWING NO.  
**C5.1**



**LEGEND**

- ORDINARY HIGH WATER MARK
- - - FEMA BASE FLOOD BOUNDARY
- - - FEMA 500-YR FLOODPLAIN
- [Pattern] GABION BASKETS
- [Pattern] GABION STONE
- [Pattern] STONE TOE STABILIZATION

**IMPACTS WITHIN OHWM (0.005 ACRES / 8.05 CUBIC YARDS / 213 LINEAR FEET)**

- [Color] BANK STABILIZATION (MINOR REGRADING) (0.005 AC / 8.05 CY / 213 LF)

**STABILIZATION ACTIVITIES WITHIN OHWM (0.0343 ACRES / 55.32 CUBIC YARDS / 736 LINEAR FEET)**

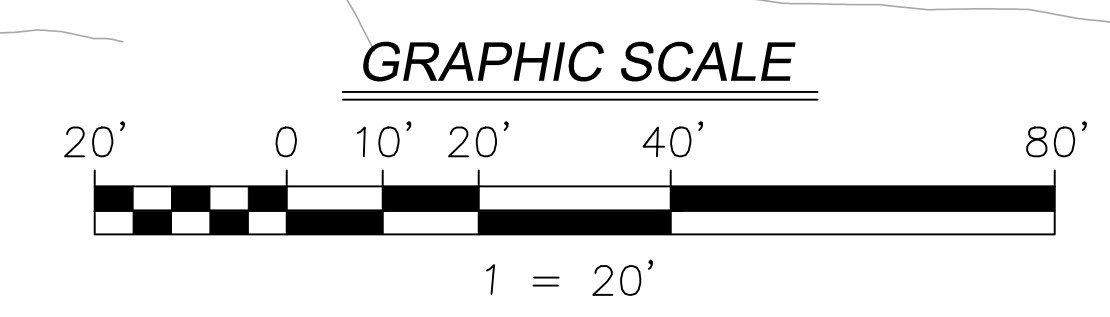
- [Color] GABION BASKET WITHIN OHWM (0.0053 AC / 8.54 CY / 174 LF)
- [Color] STONE TOE WITHIN OHWM (0.029 AC / 46.78 CY / 562 LF)

**STABILIZATION ACTIVITIES WITHIN AND ABOVE OHWM (952 LINEAR FEET TOTAL)**

- [Color] GABION BASKET WITHIN AND ABOVE OHWM (390 LF TOTAL)
- [Color] STONE TOE WITHIN AND ABOVE OHWM (562 LF TOTAL)

**BIOTECHNICAL STABILIZATION ABOVE OHWM (952 LINEAR FEET)**

- [Color] BIOTECHNICAL STABILIZATION ABOVE OHWM (952 LF TOTAL)



**REVISIONS**

NO.	DATE	DESCRIPTION
1	06/24/25	ISSUED FOR PERMIT
2	12/18/25	REVISED PER USACE COMMENTS
3	01/16/26	REVISED PER USACE COMMENTS
4	01/20/26	REVISED PER USACE COMMENTS
5	02/05/26	REVISED PER USACE COMMENTS

ORIGINAL ISSUE DATE: 1/29/25

PROJECT NO.:	240576
PROJECT MANAGER:	CWH
DESIGNED BY:	CDK
DRAWN BY:	CDK

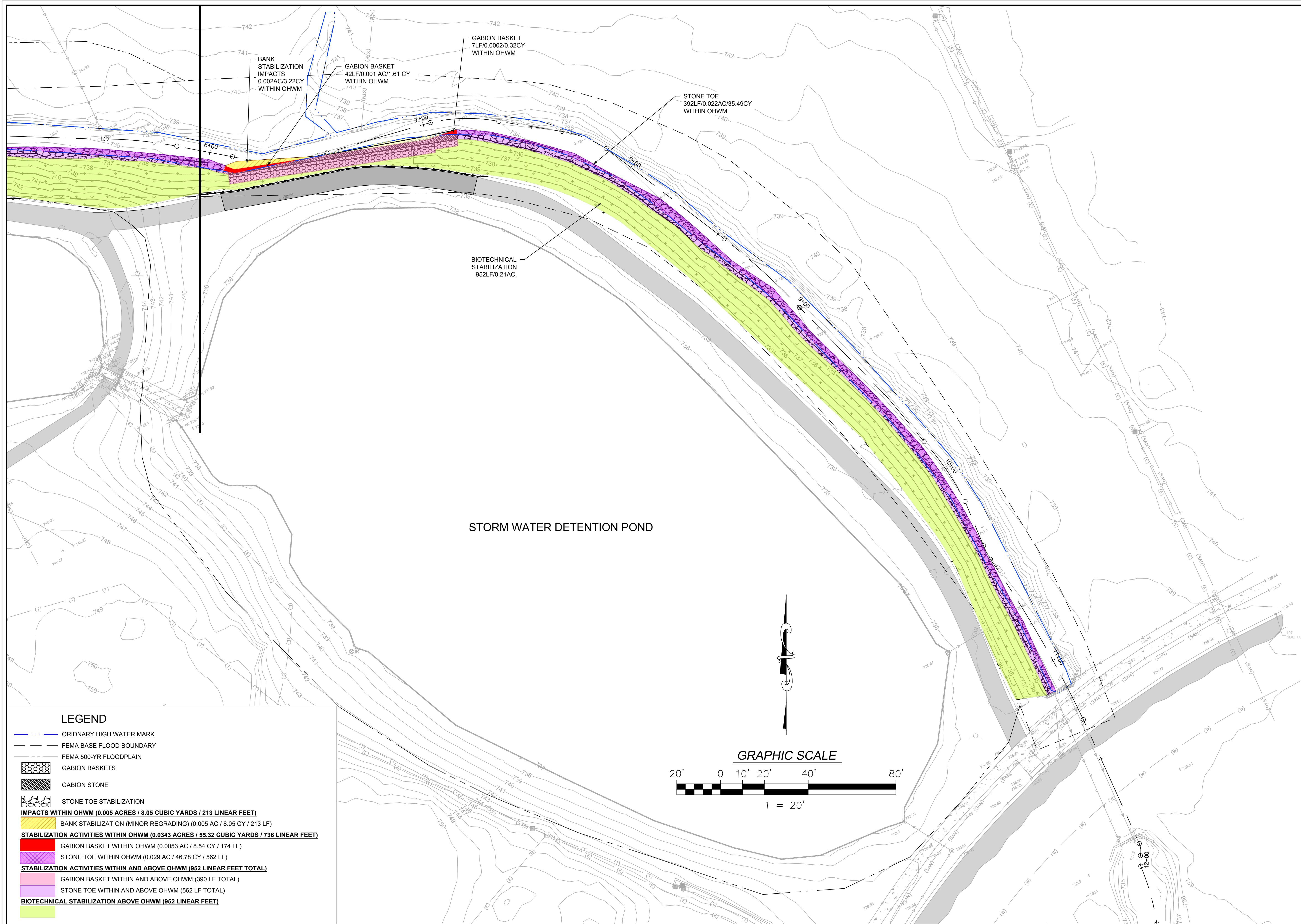
**PROPOSED IMPACTS PLAN**

**LANCER CREEK STABILIZATION**

SCHLAUMBURG

7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
www.v3co.com

DRAWING NO.  
**C6.1**



BANK STABILIZATION IMPACTS  
0.002AC/3.22CY  
WITHIN OHWM

GABION BASKET  
42LF/0.001 AC/1.61 CY  
WITHIN OHWM

GABION BASKET  
7LF/0.0002/0.32CY  
WITHIN OHWM

STONE TOE  
392LF/0.022AC/35.49CY  
WITHIN OHWM

BIOTECHNICAL STABILIZATION  
952LF/0.21AC.

STORM WATER DETENTION POND

**LEGEND**

- ORDINARY HIGH WATER MARK
- FEMA BASE FLOOD BOUNDARY
- FEMA 500-YR FLOODPLAIN
- GABION BASKETS
- GABION STONE
- STONE TOE STABILIZATION
- IMPACTS WITHIN OHWM (0.005 ACRES / 8.05 CUBIC YARDS / 213 LINEAR FEET)**
- BANK STABILIZATION (MINOR REGRADING) (0.005 AC / 8.05 CY / 213 LF)
- STABILIZATION ACTIVITIES WITHIN OHWM (0.0343 ACRES / 55.32 CUBIC YARDS / 736 LINEAR FEET)**
- GABION BASKET WITHIN OHWM (0.0053 AC / 8.54 CY / 174 LF)
- STONE TOE WITHIN OHWM (0.029 AC / 46.78 CY / 562 LF)
- STABILIZATION ACTIVITIES WITHIN AND ABOVE OHWM (952 LINEAR FEET TOTAL)**
- GABION BASKET WITHIN AND ABOVE OHWM (390 LF TOTAL)
- STONE TOE WITHIN AND ABOVE OHWM (562 LF TOTAL)
- BIOTECHNICAL STABILIZATION ABOVE OHWM (952 LINEAR FEET)

<b>PROPOSED IMPACT PLAN</b>		<b>LANCER CREEK STABILIZATION</b>	<b>SCHAUMBURG</b>
7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone www.v3co.com			
DRAWING NO. <b>C6.2</b>		IL	

REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	REVISED PER USACE COMMENTS
3	REVISED PER USACE COMMENTS
4	REVISED PER USACE COMMENTS
5	REVISED PER USACE COMMENTS

PROJECT NO.: 240576	ORIGINAL ISSUE DATE: 1/29/25
PROJECT MANAGER: CWH	
DESIGNED BY: CDSK	
DRAWN BY: CDSK	